

Fig. 1

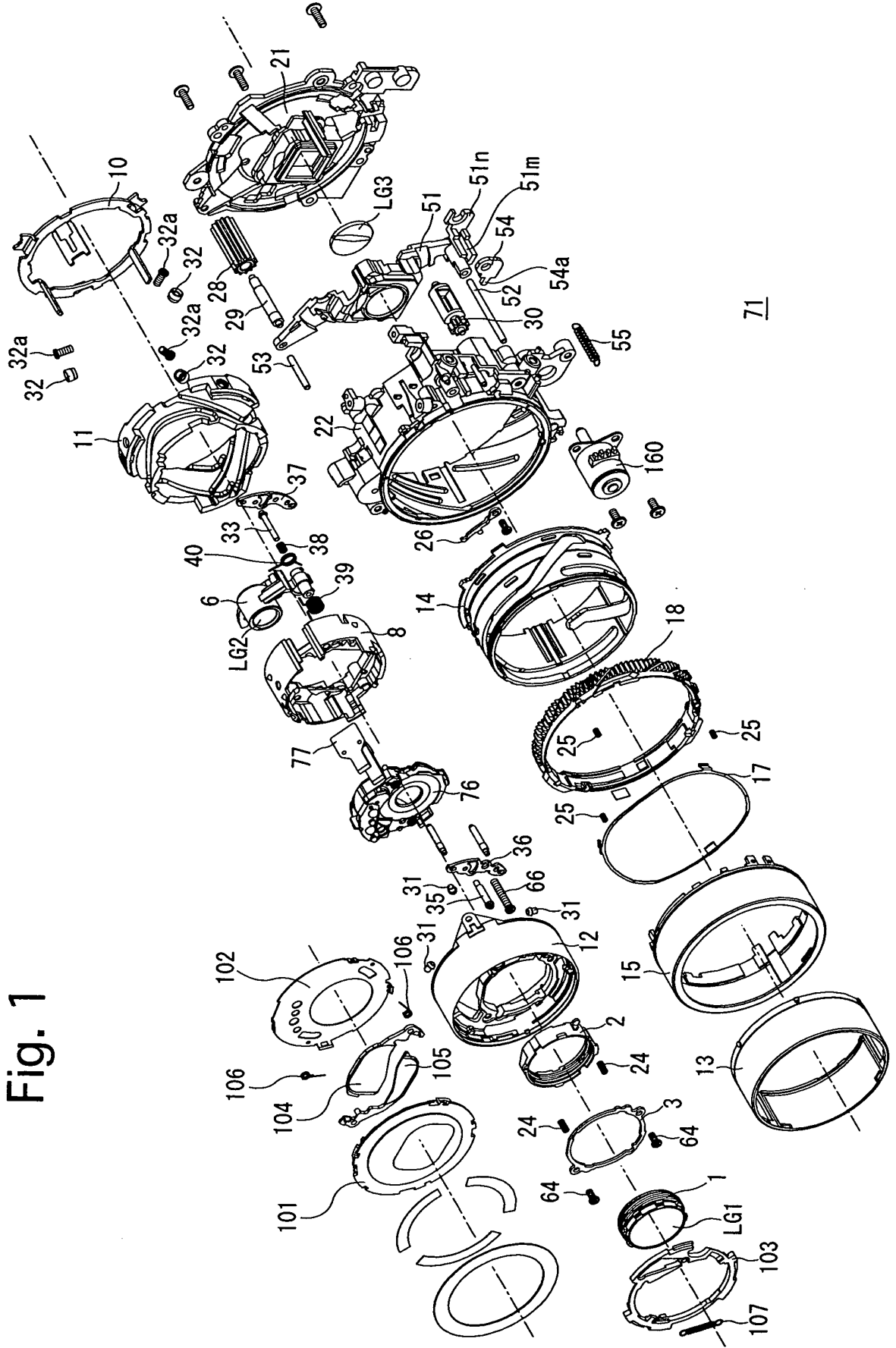


Fig. 2

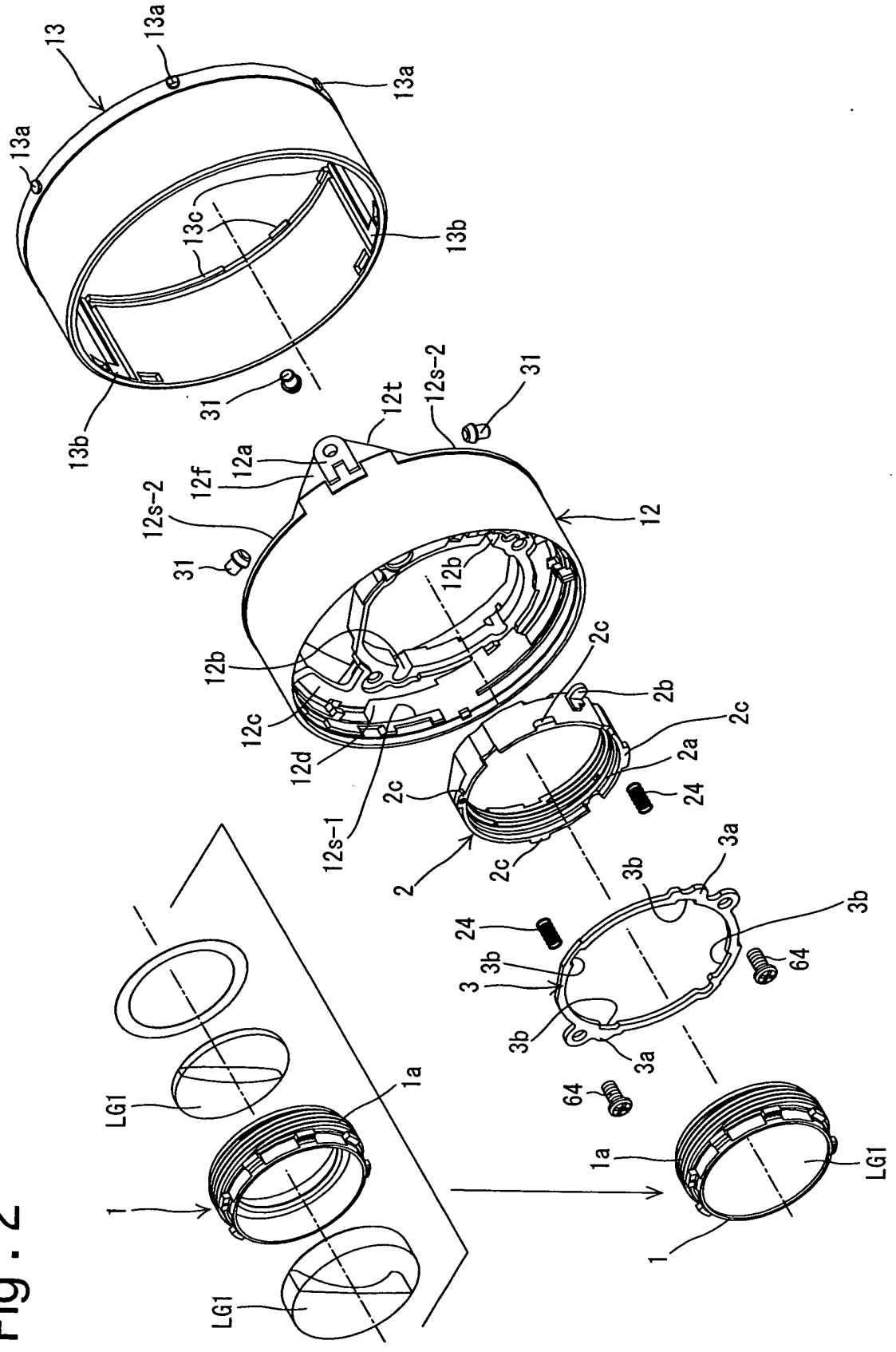


Fig. 3

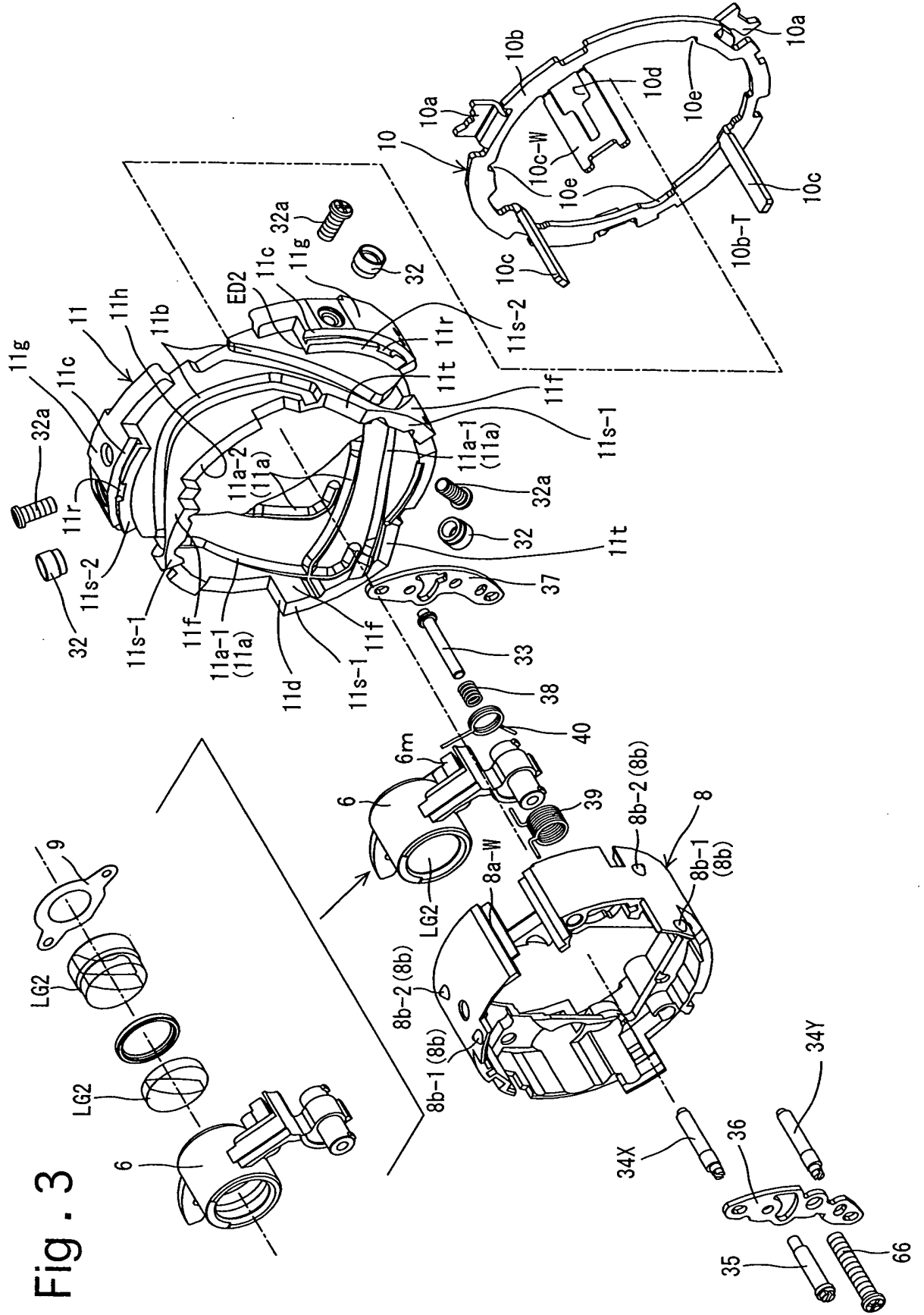


Fig. 4

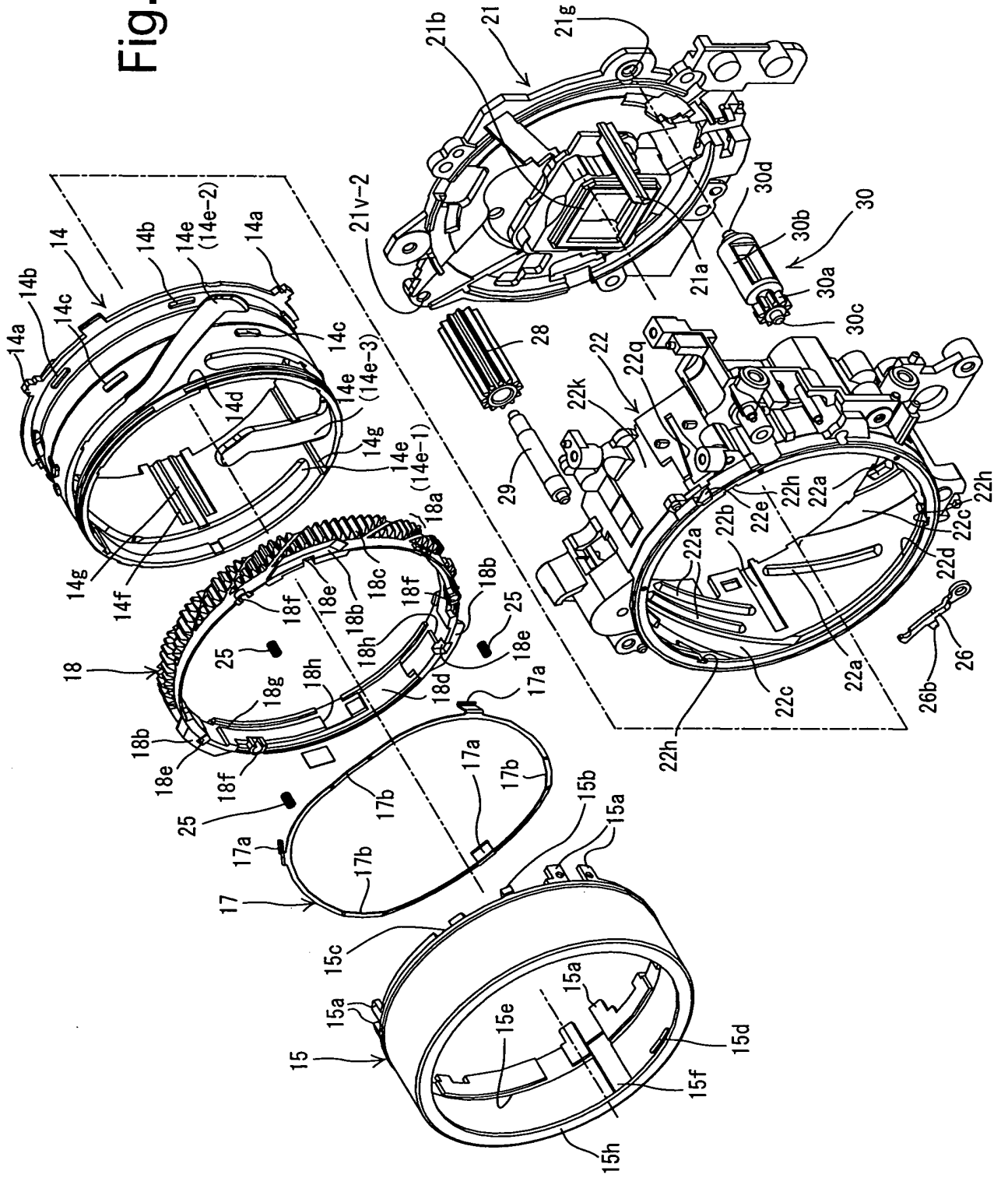


Fig. 5

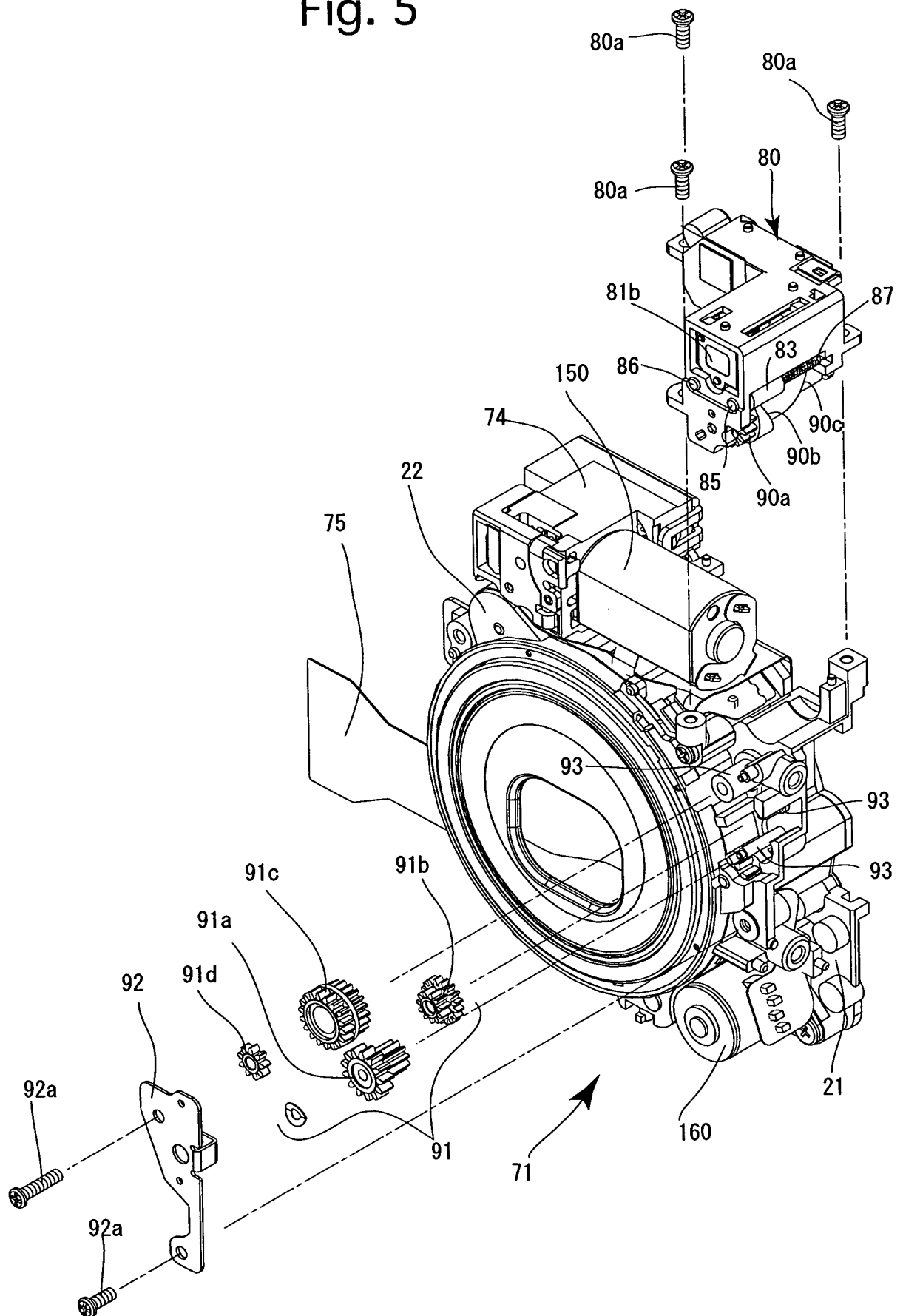


Fig. 6

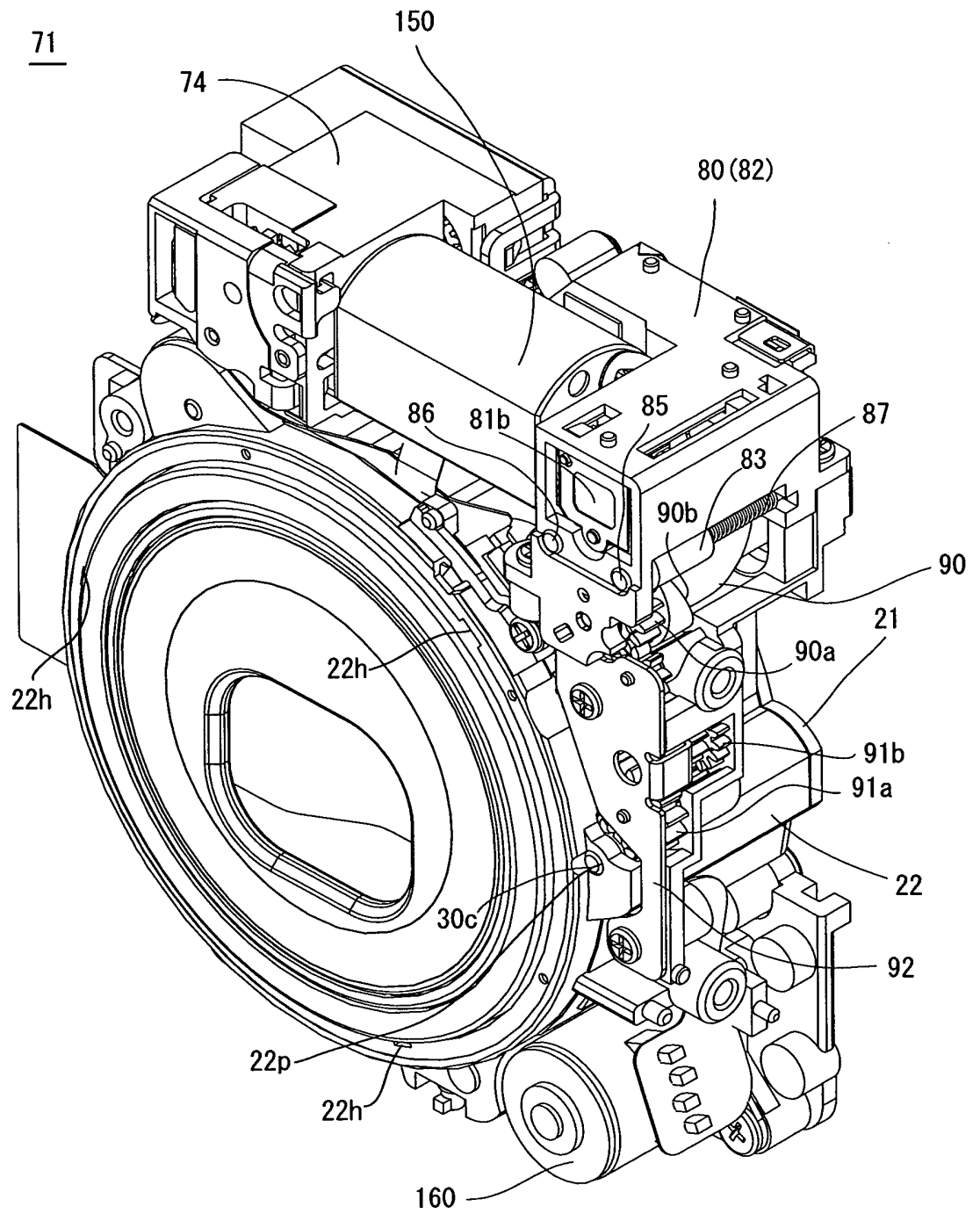


Fig. 7

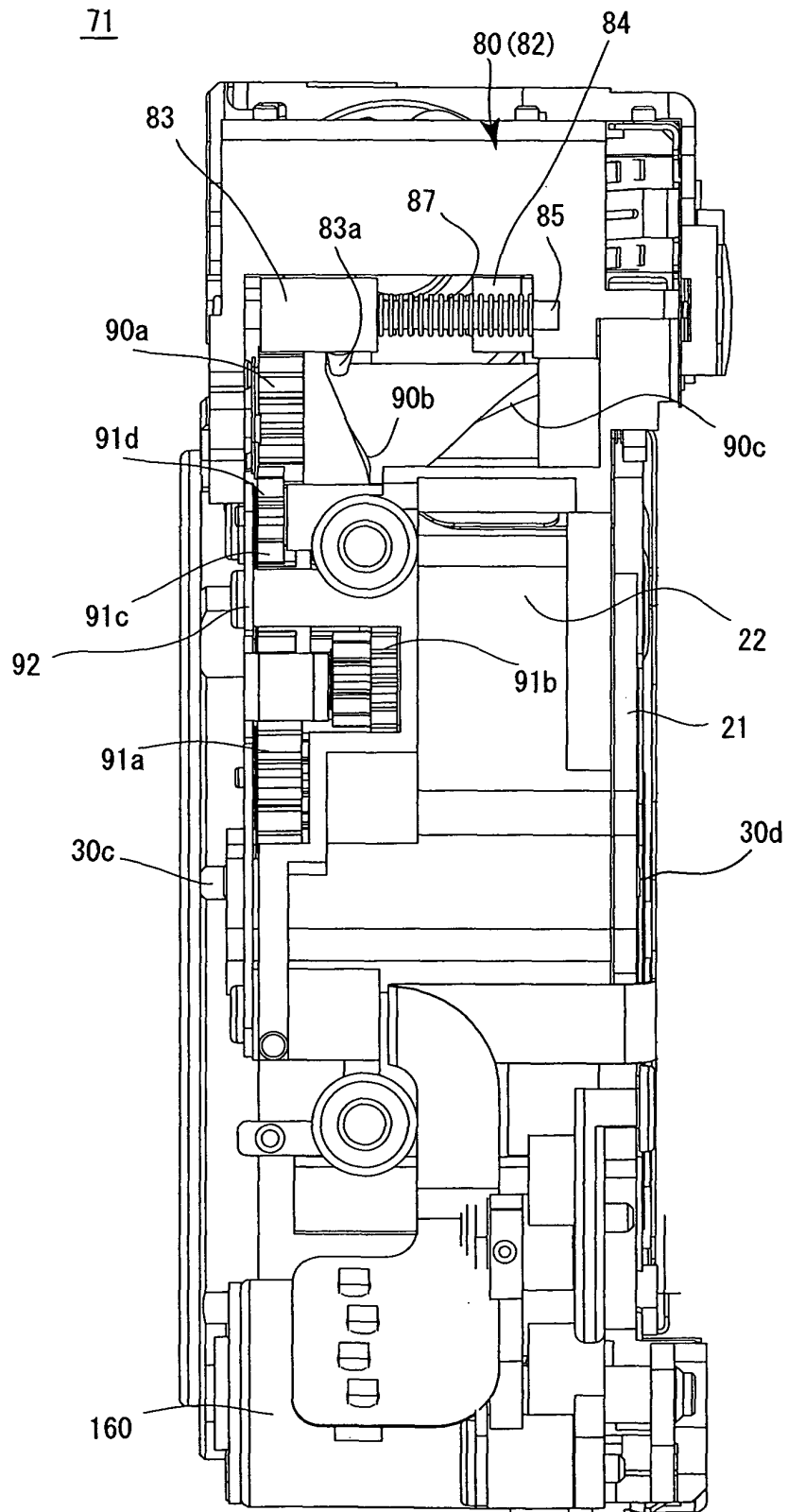


Fig. 8

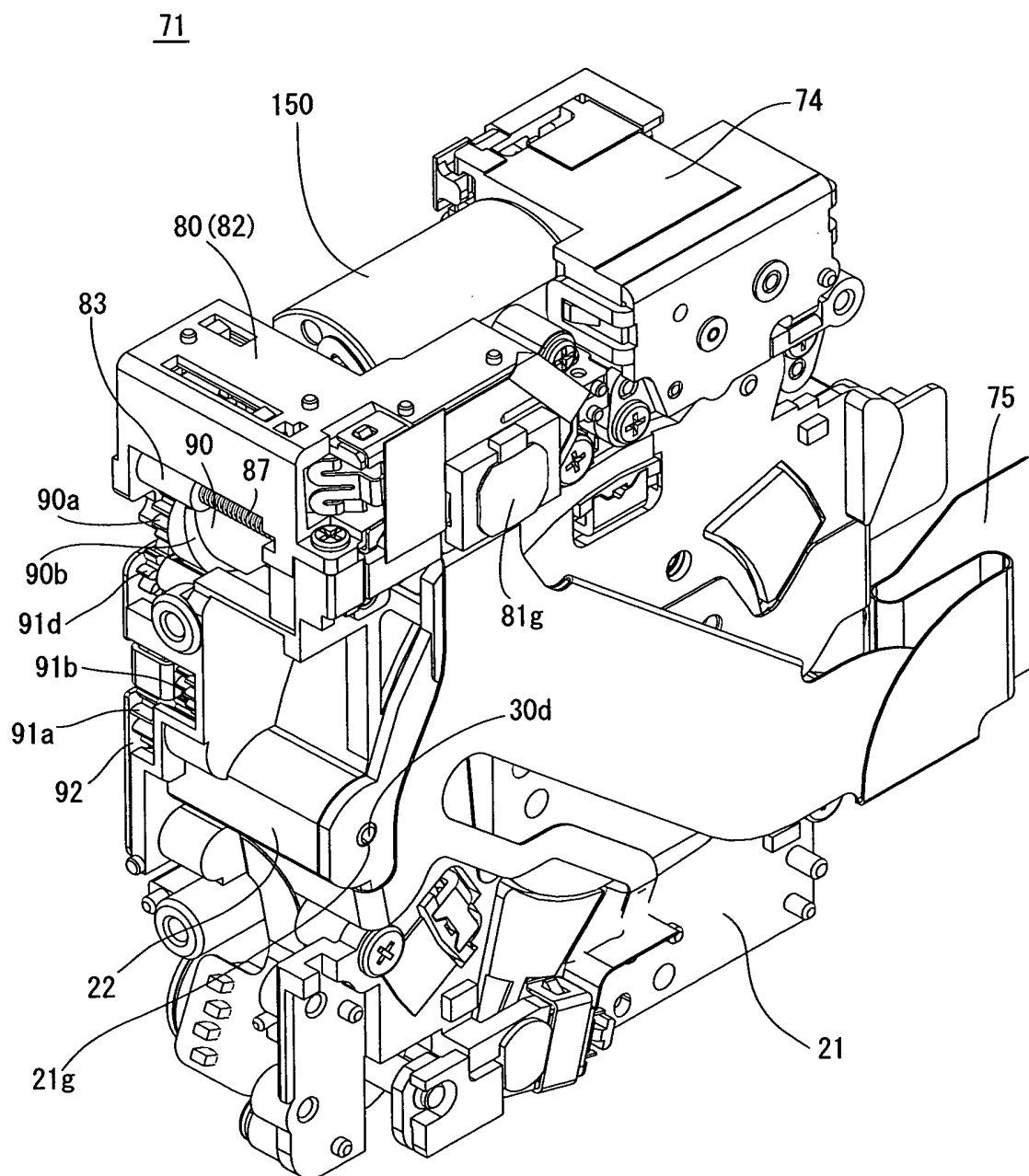


Fig. 9

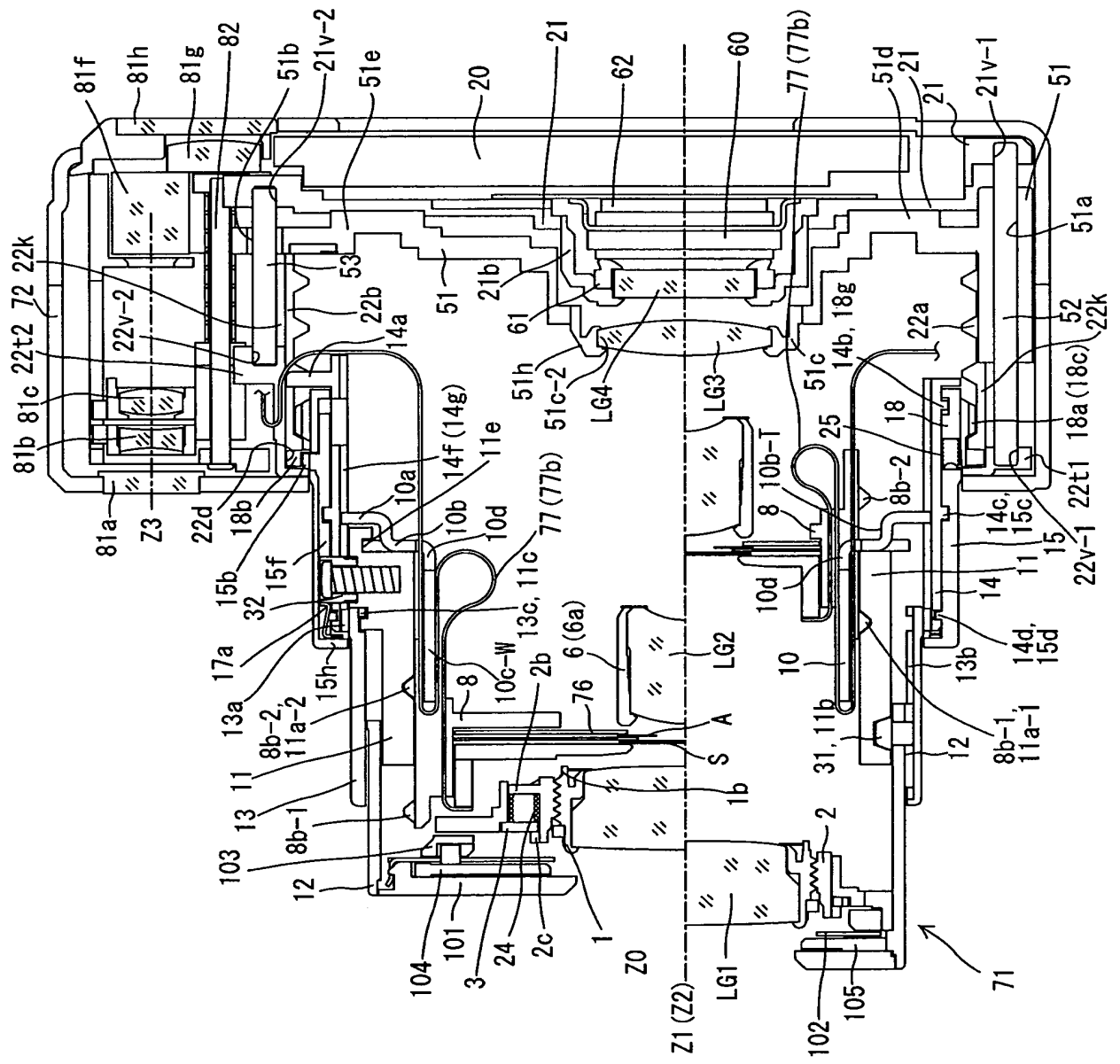


Fig. 10

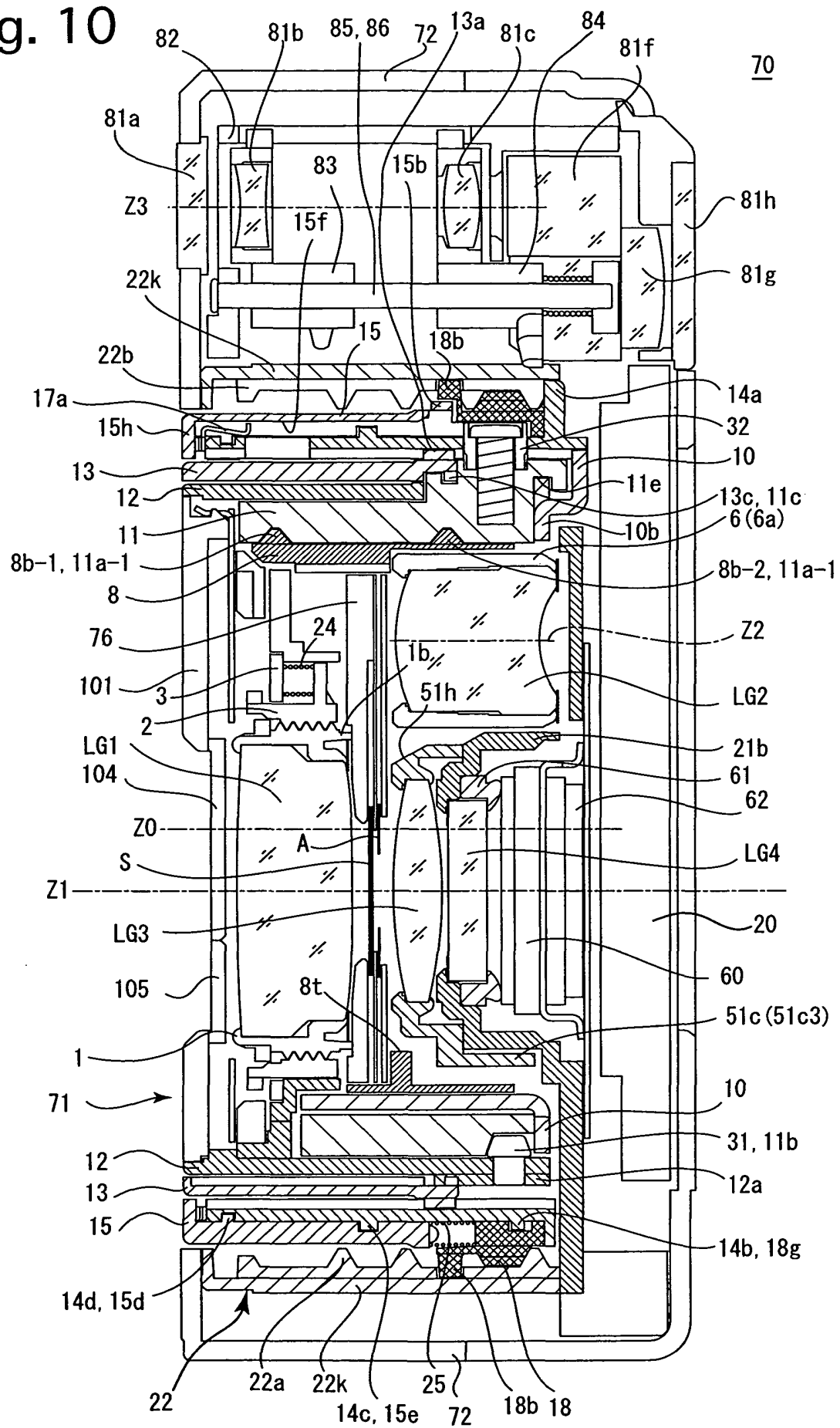


Fig. 11

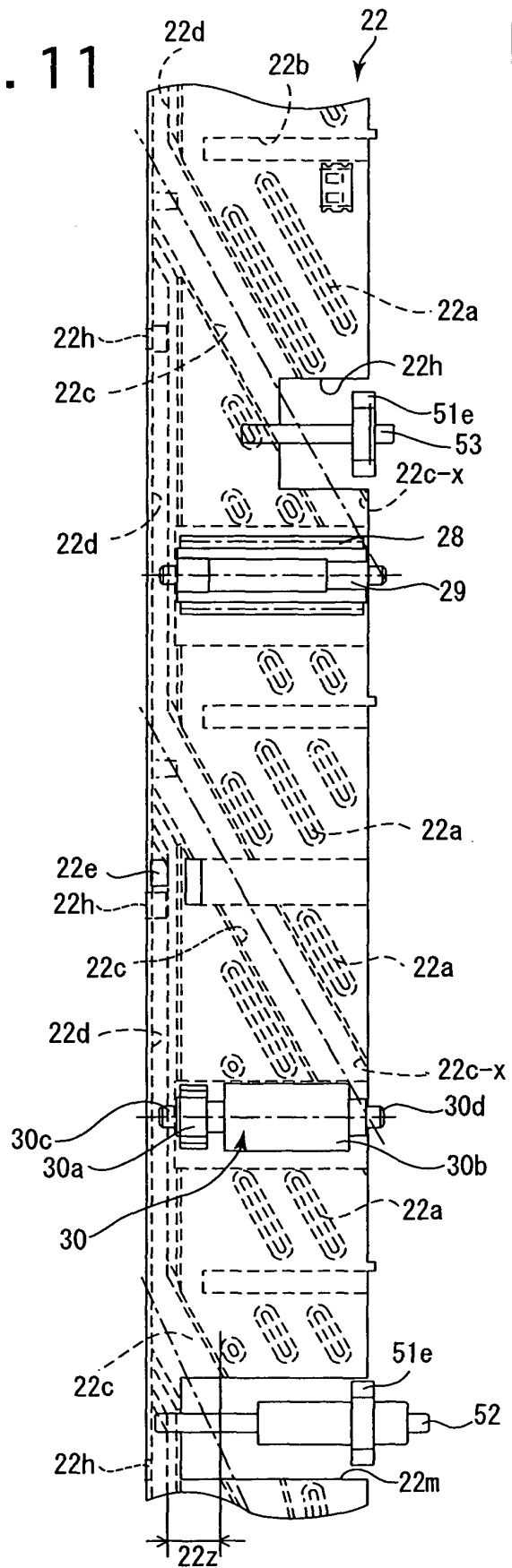


Fig. 12

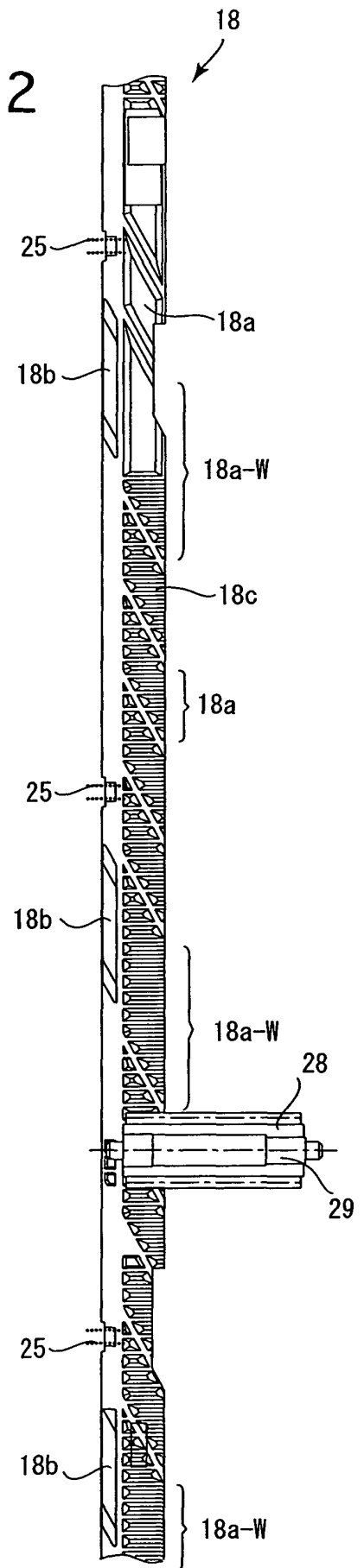


Fig. 13

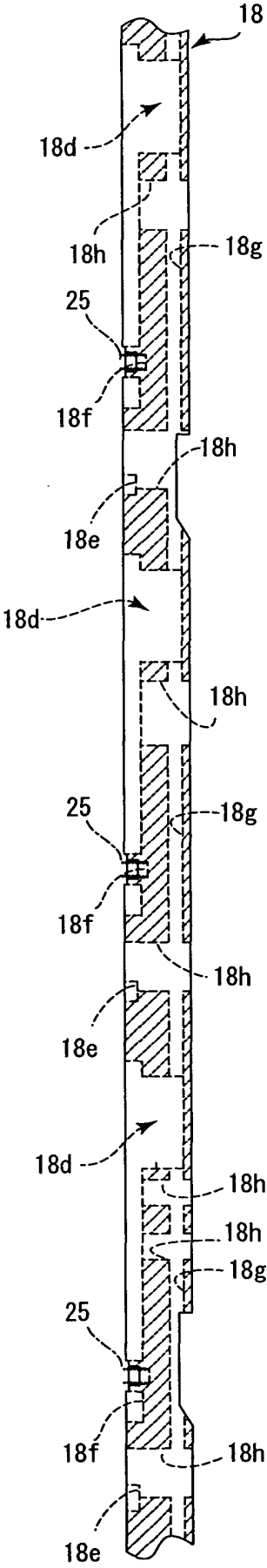


Fig. 14

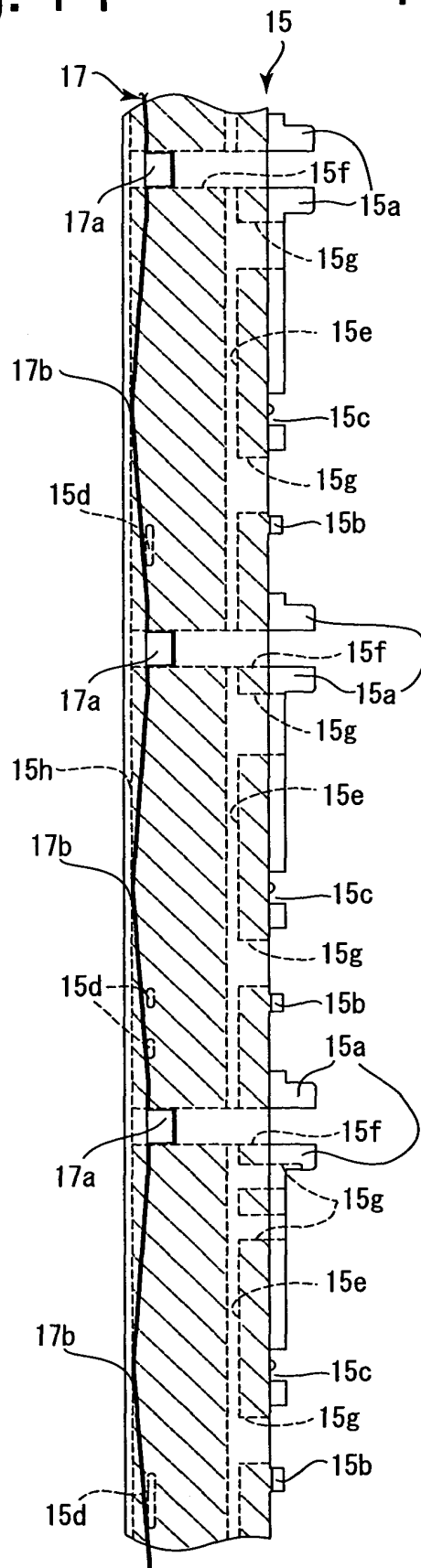


Fig. 15

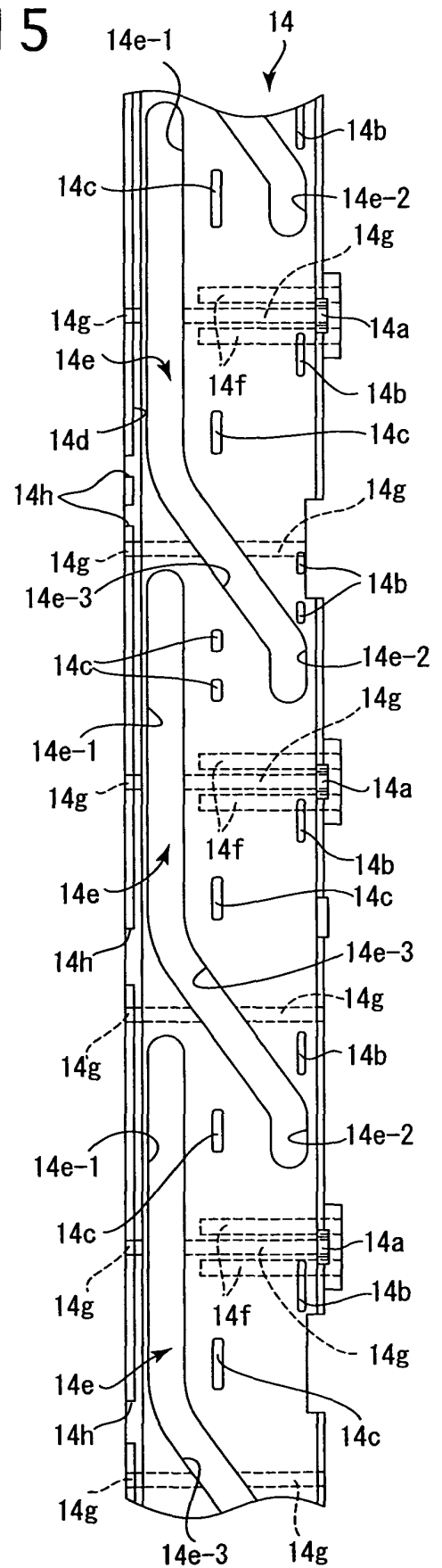


Fig. 16

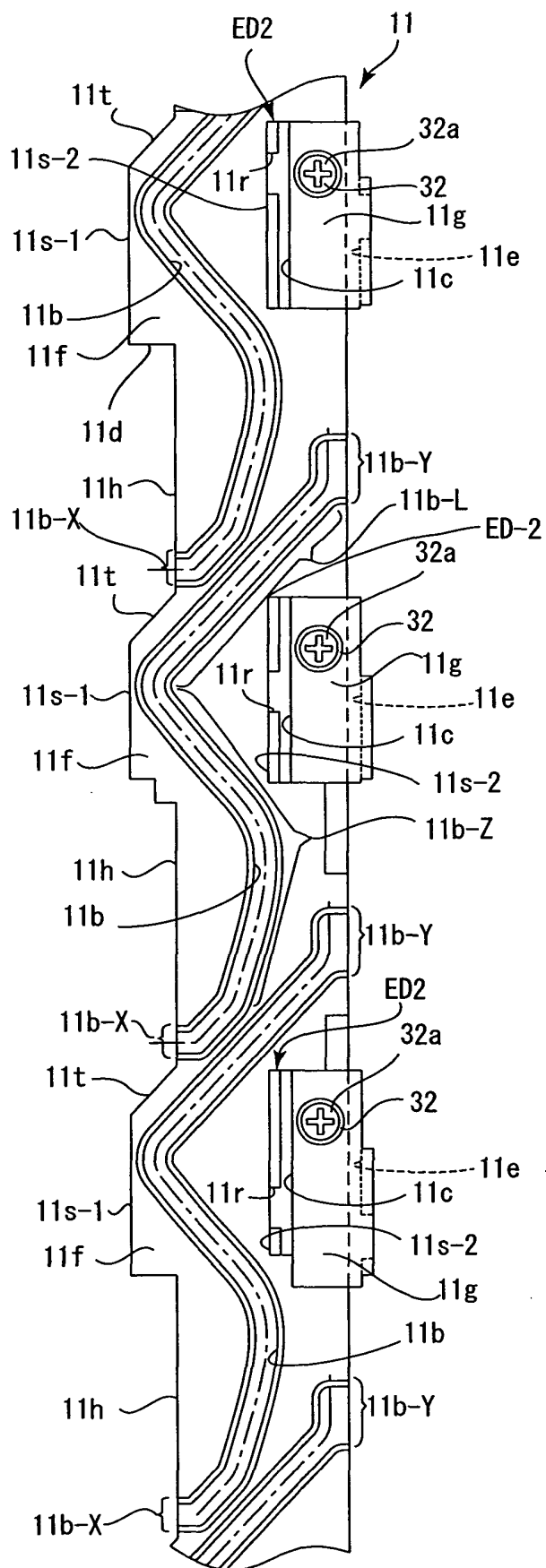


Fig. 17

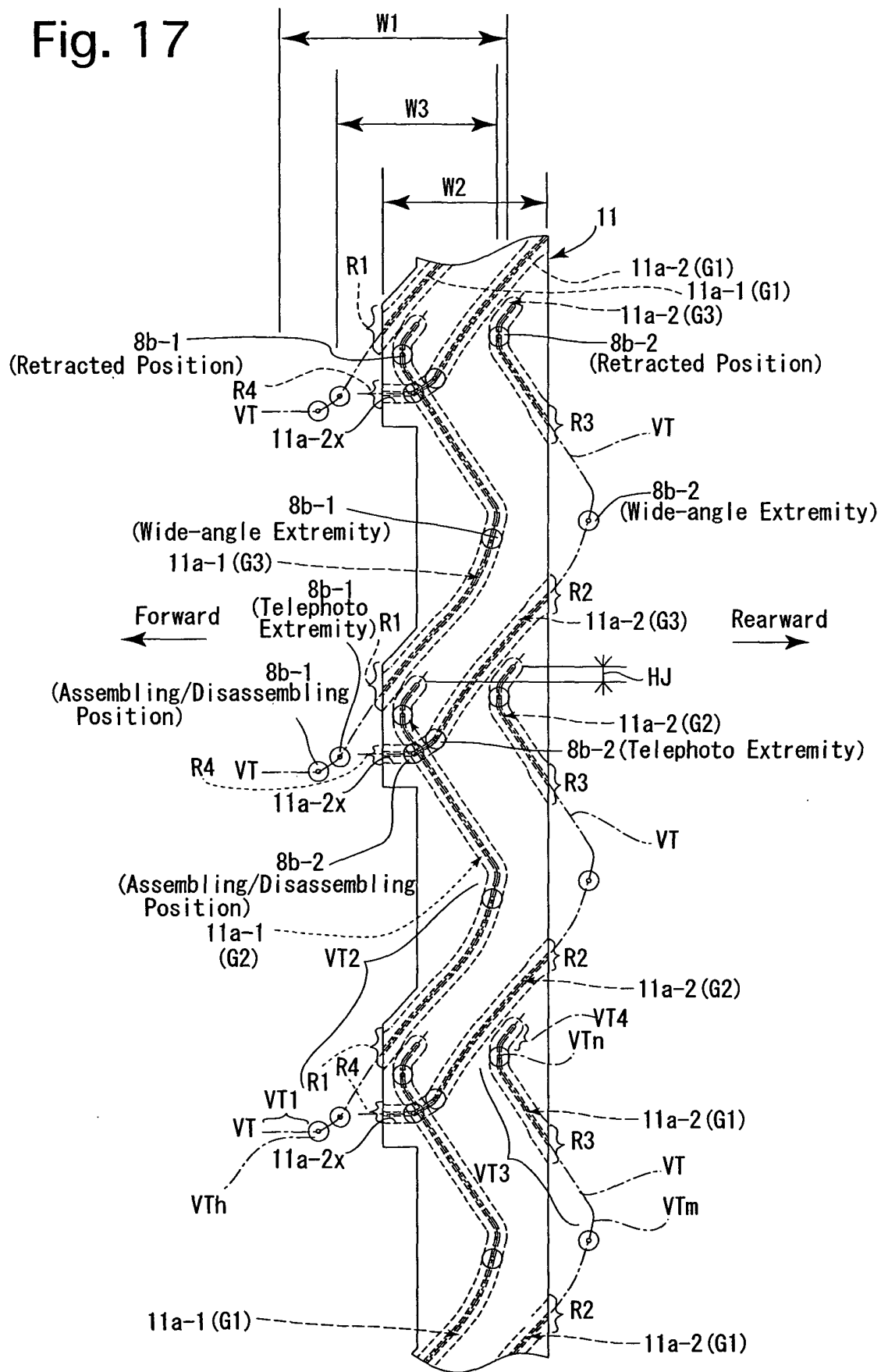


Fig . 19

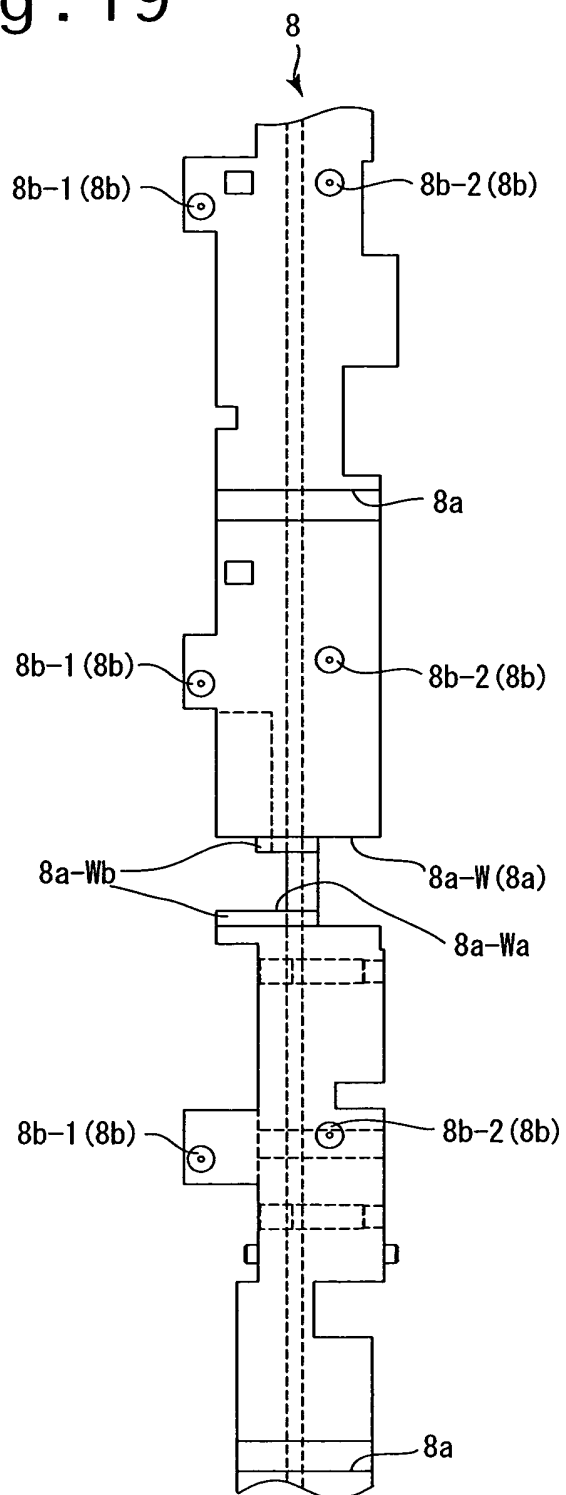


Fig . 18

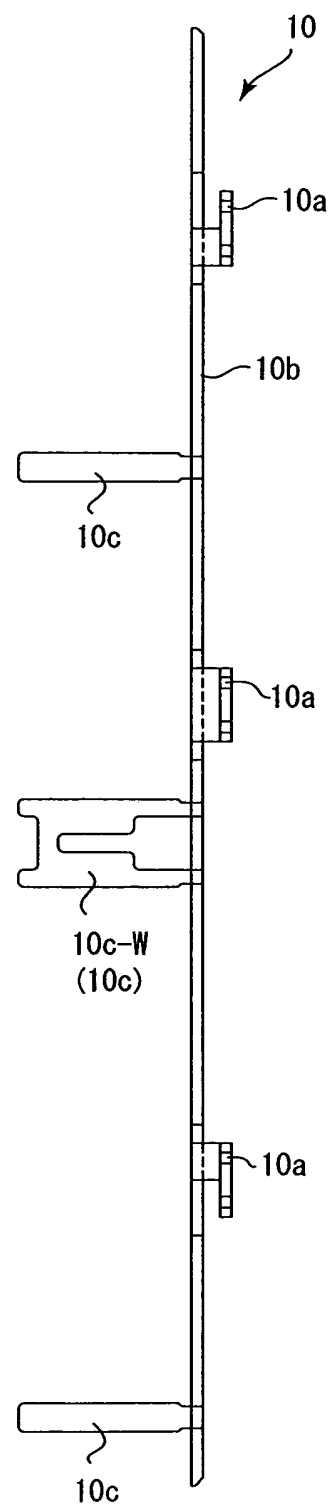


Fig. 20

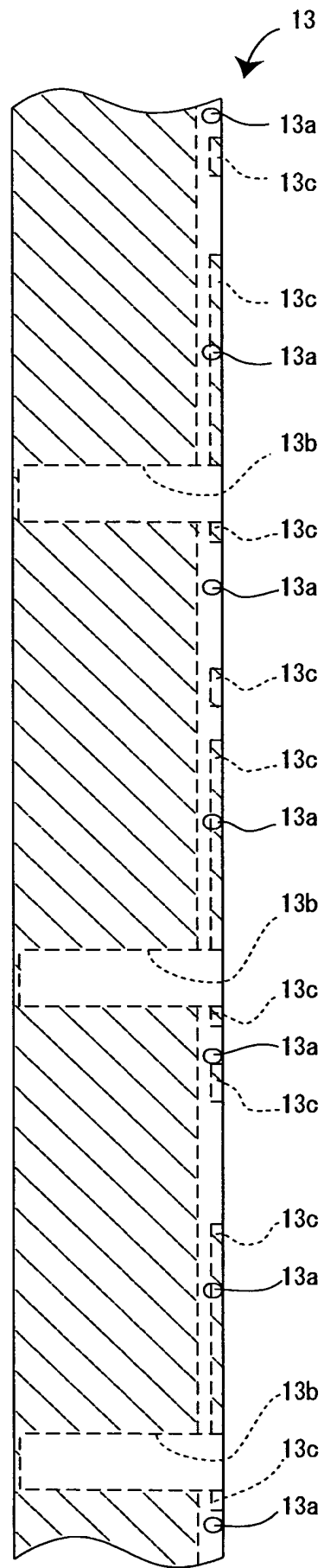


Fig. 21

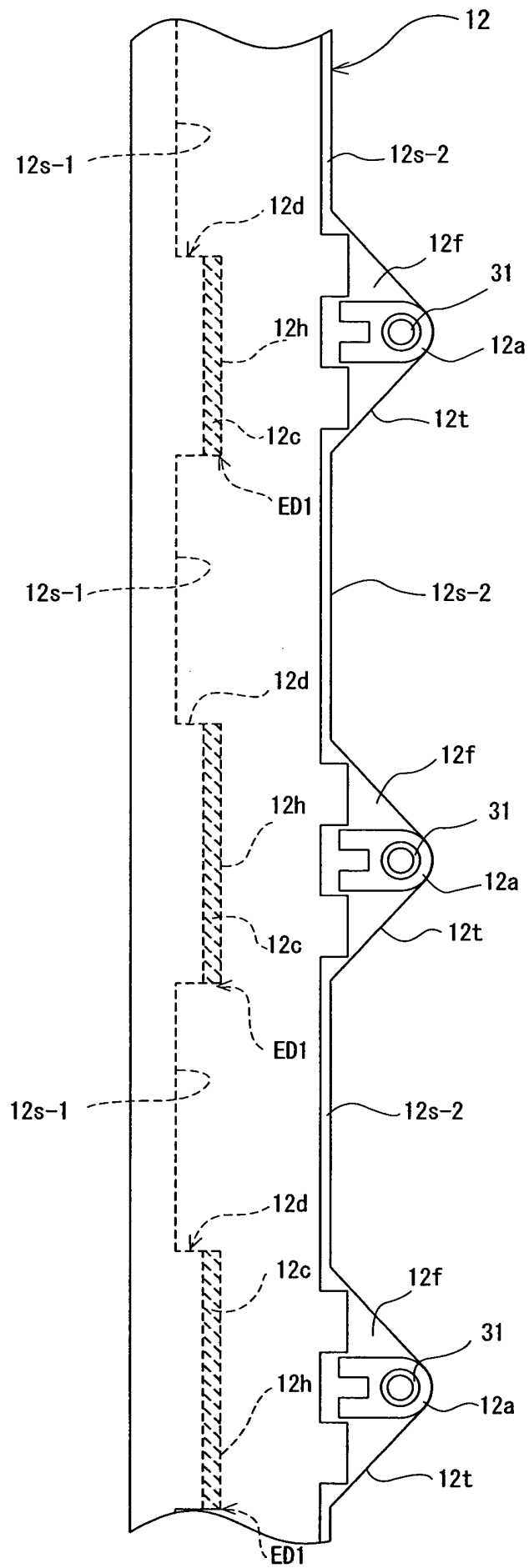


Fig. 22

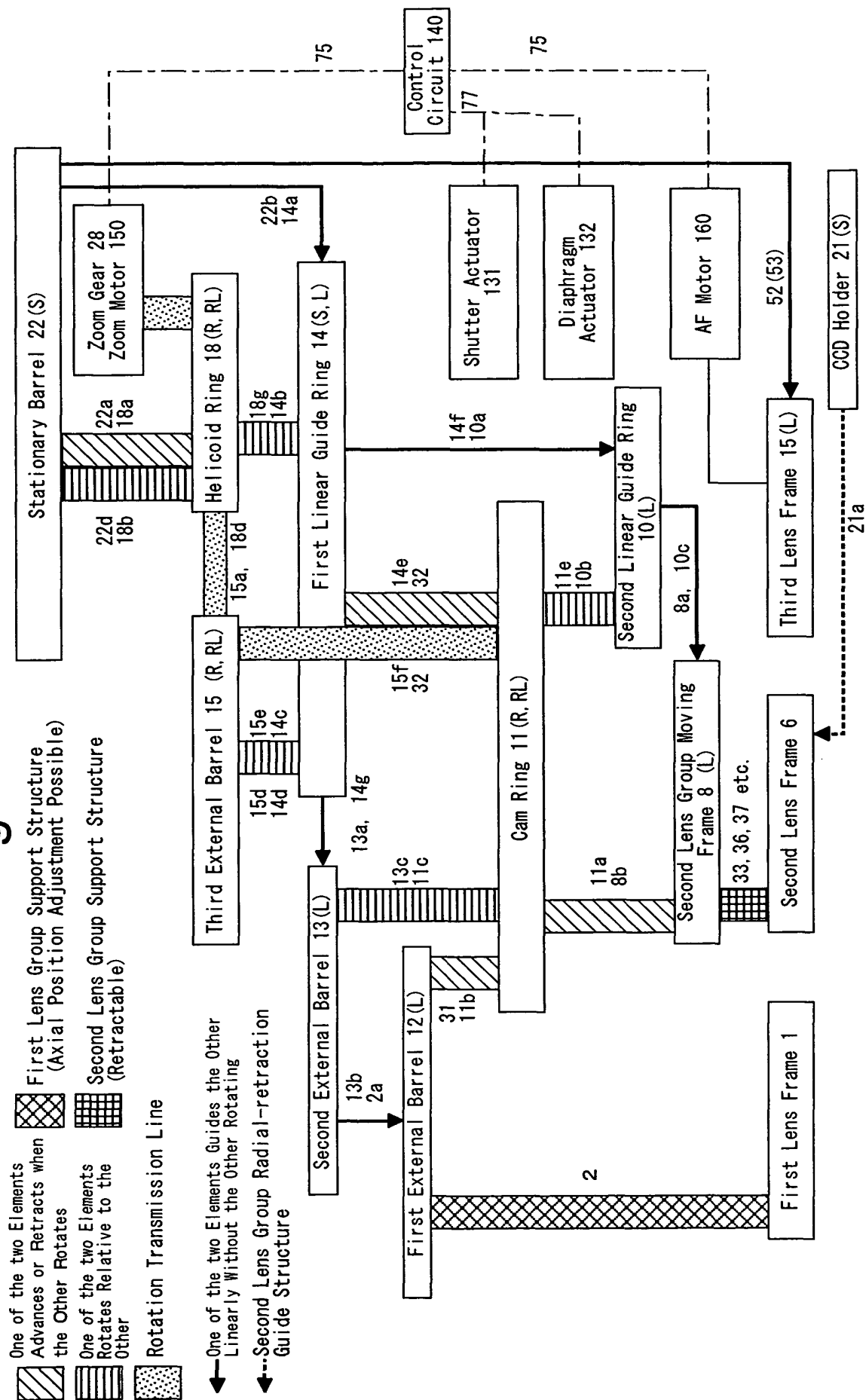


Fig. 23

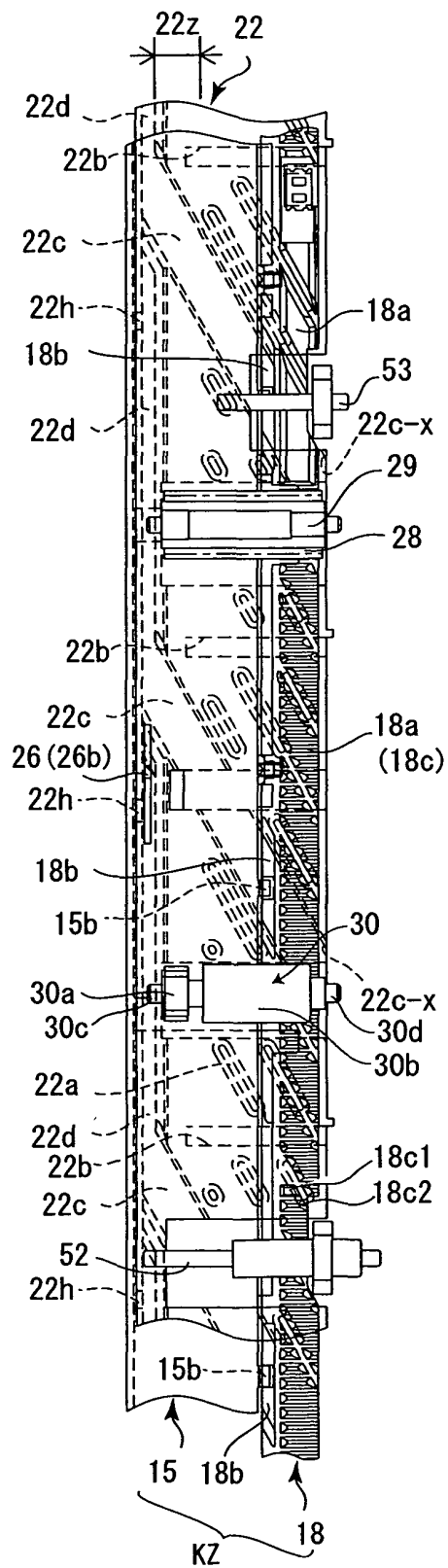


Fig. 24

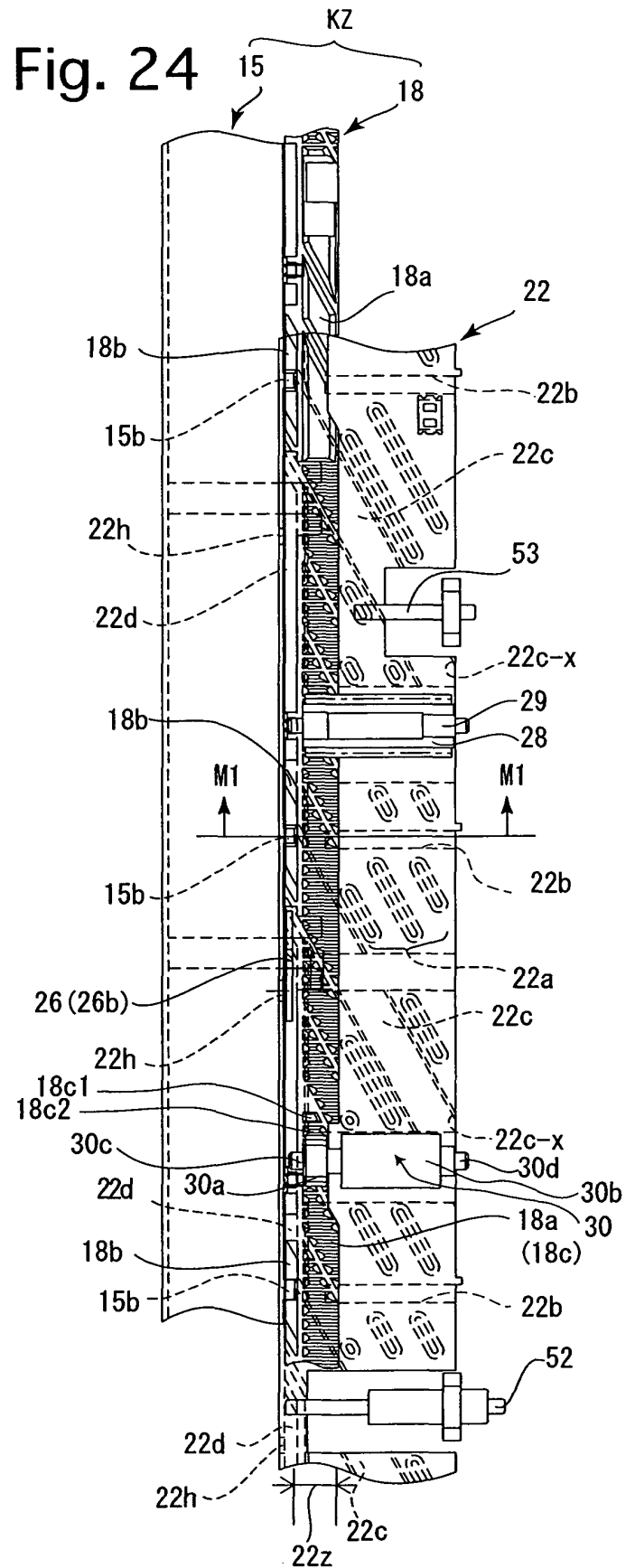


Fig. 25

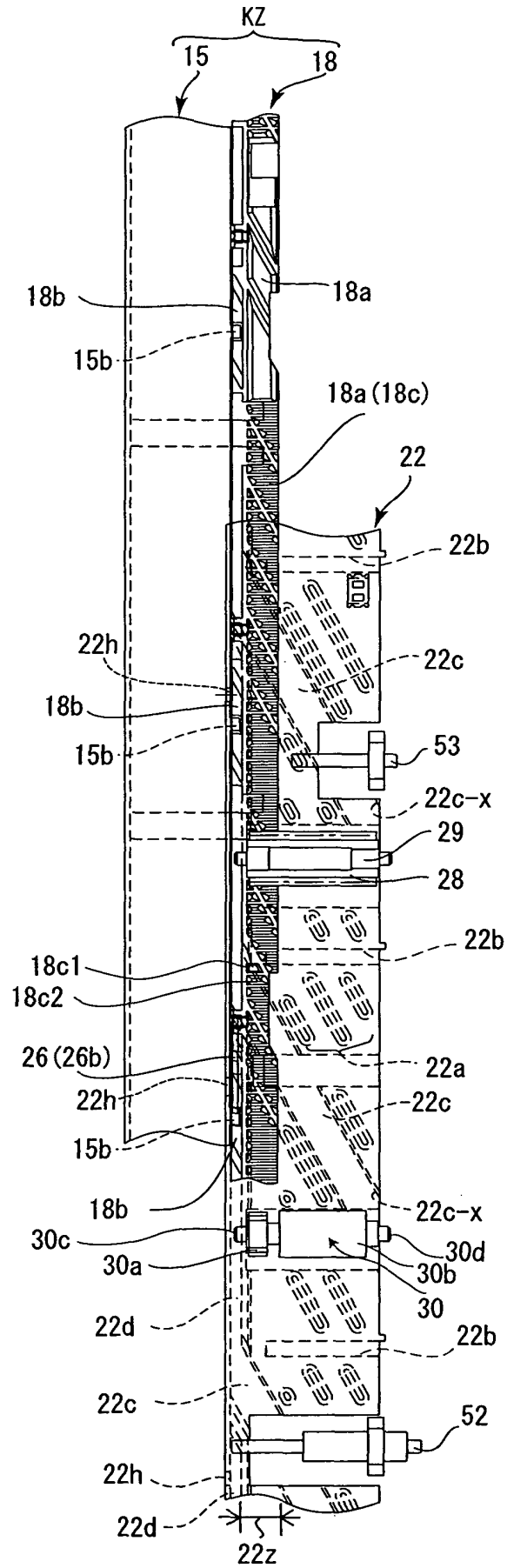


Fig. 26

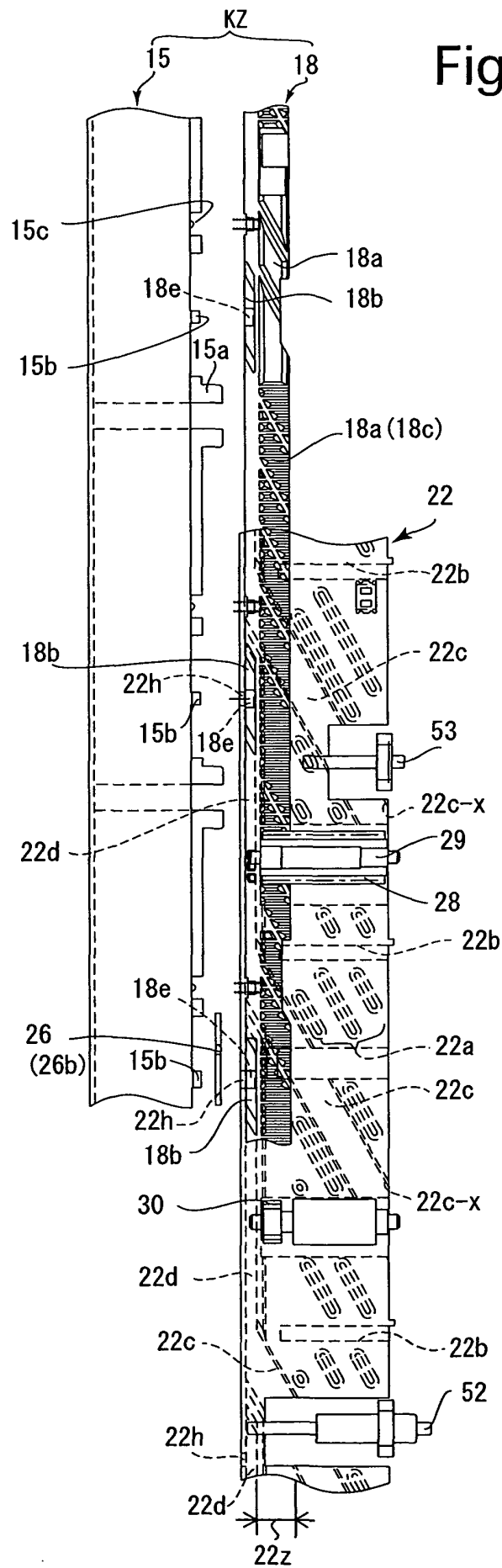


Fig. 28

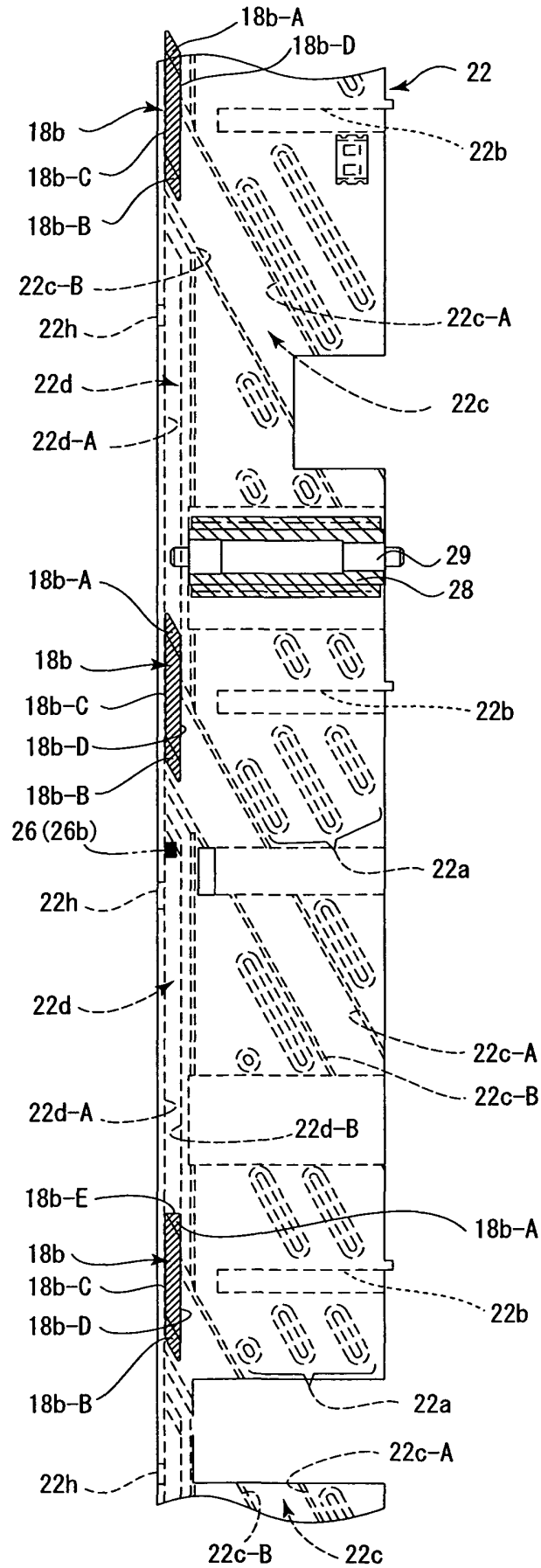


Fig. 29

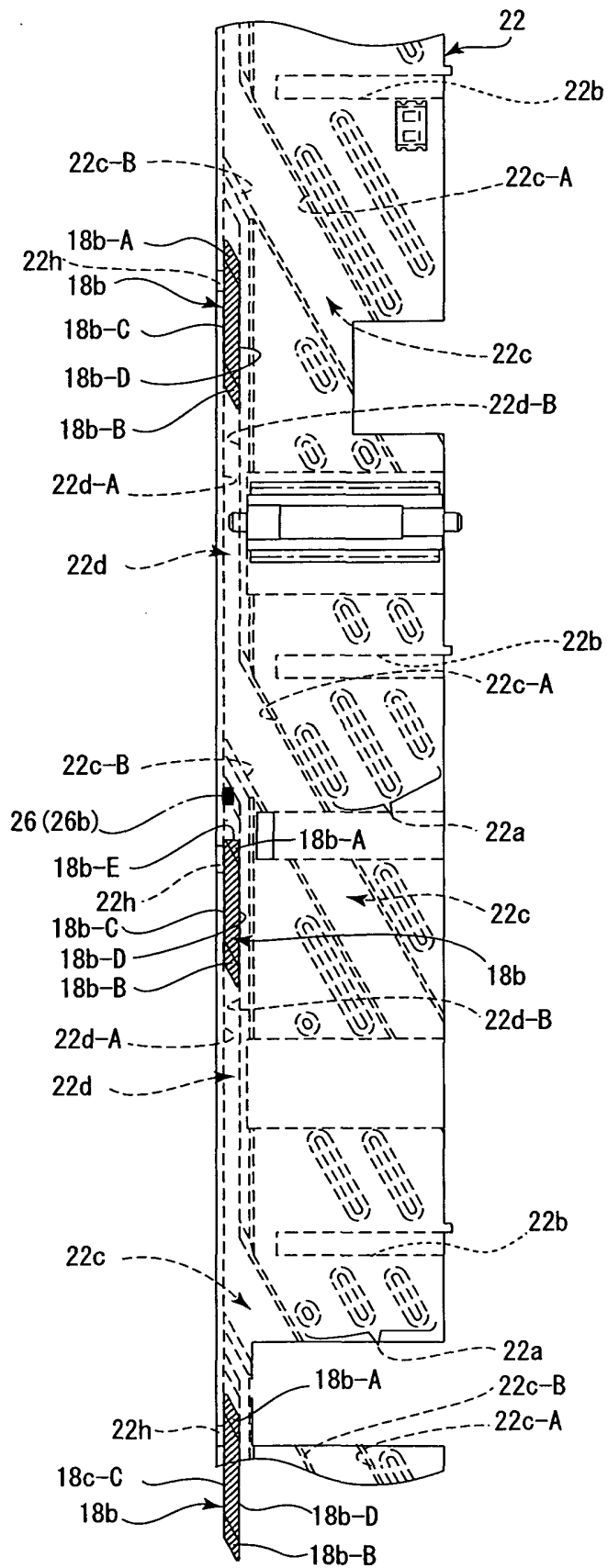


Fig. 30

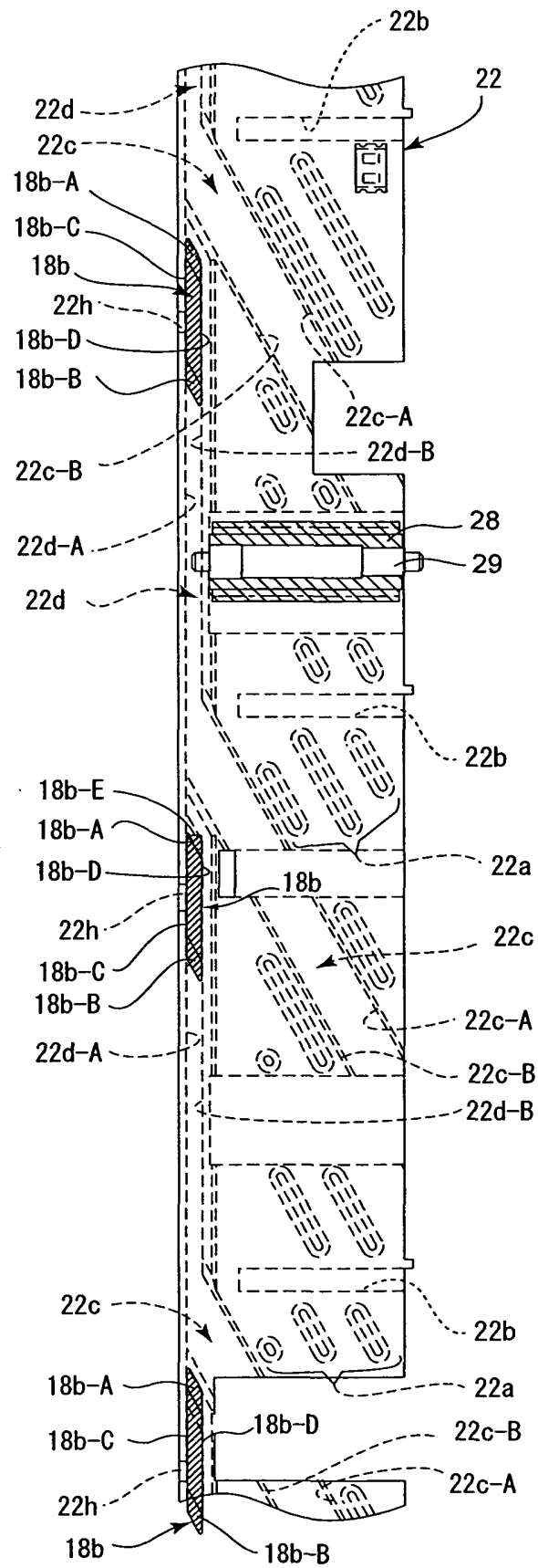


Fig. 31

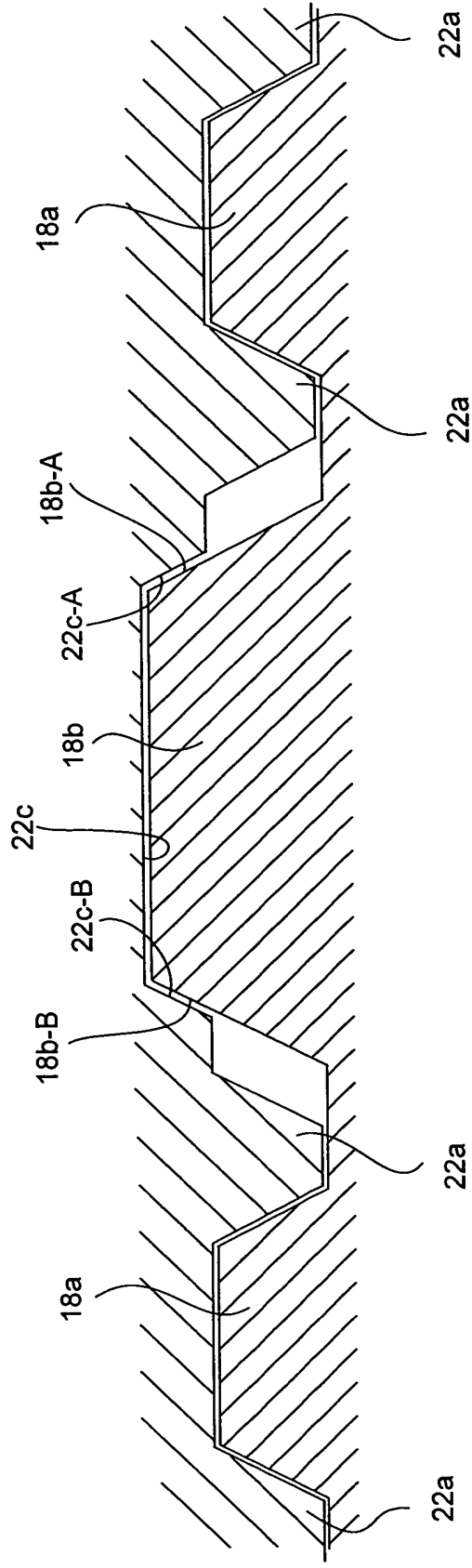


Fig. 32

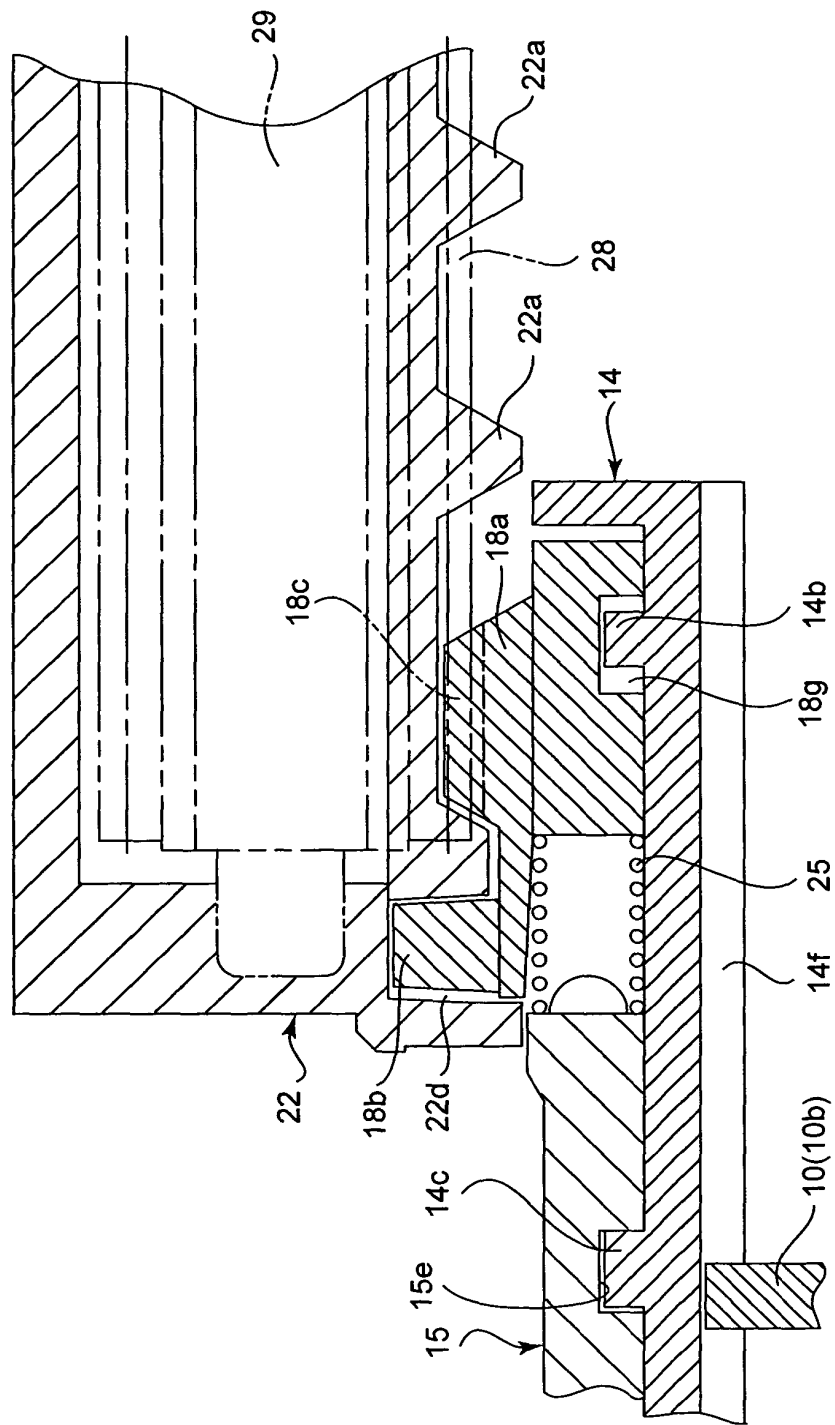


Fig. 33

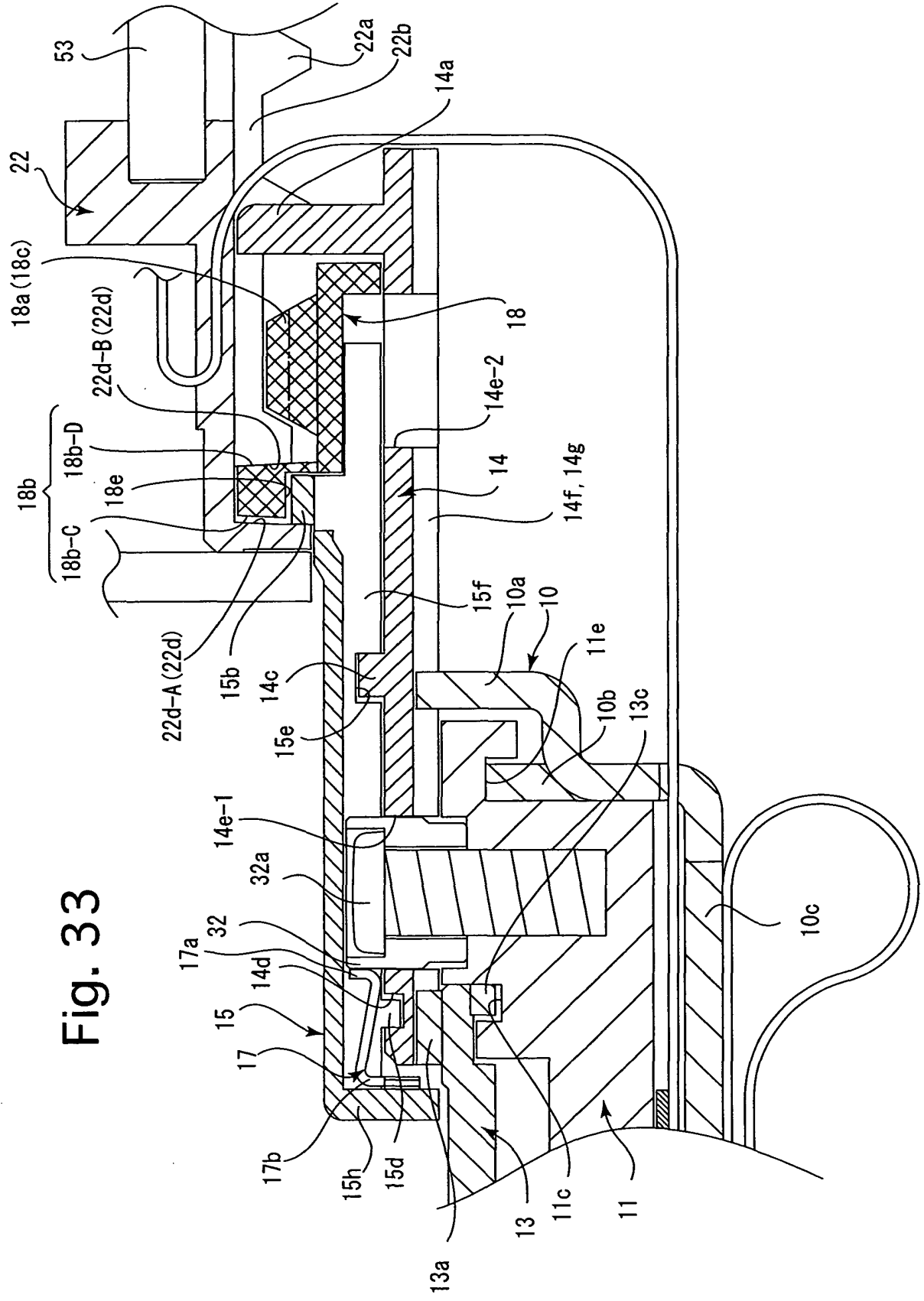
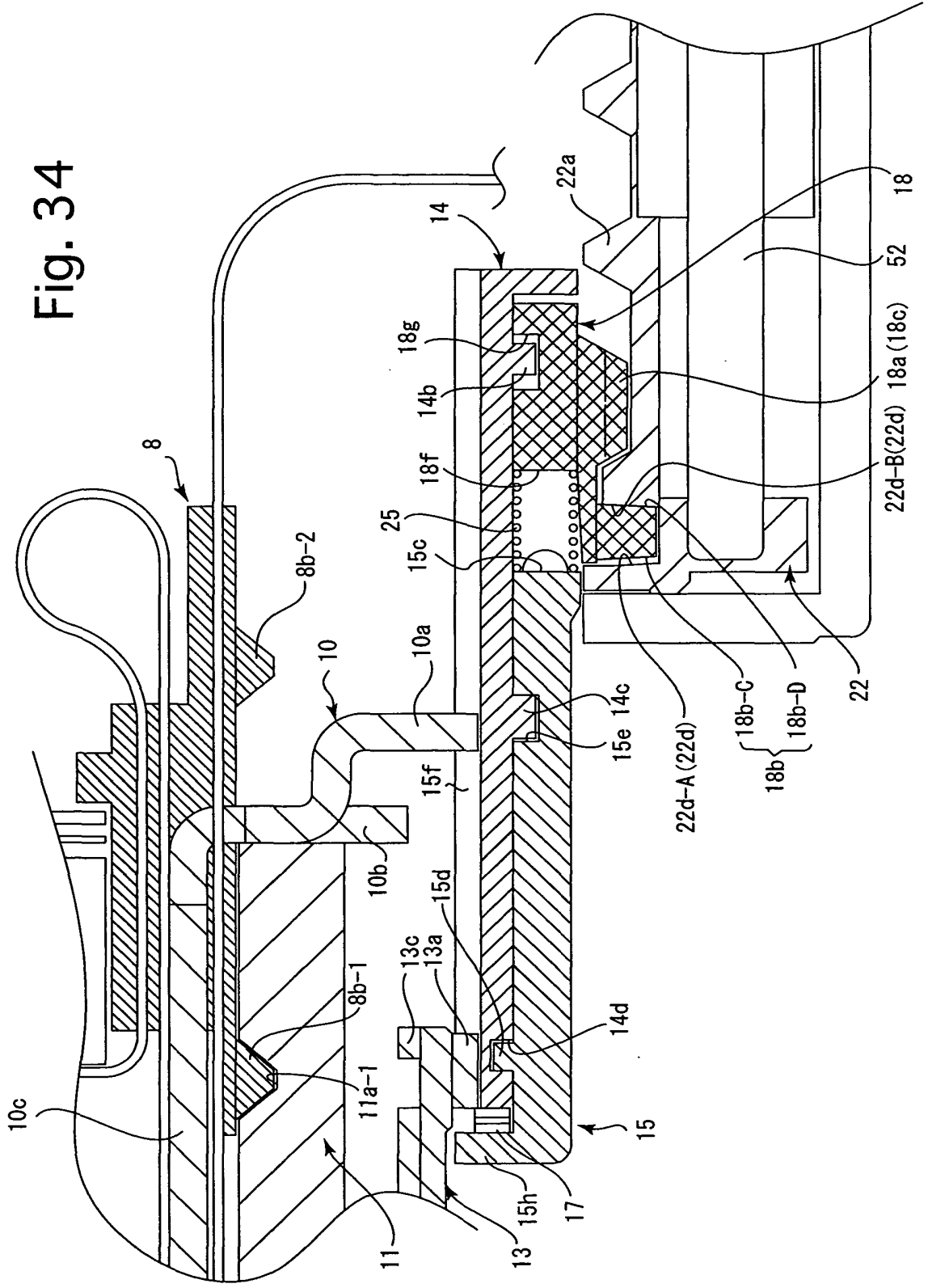


Fig. 34



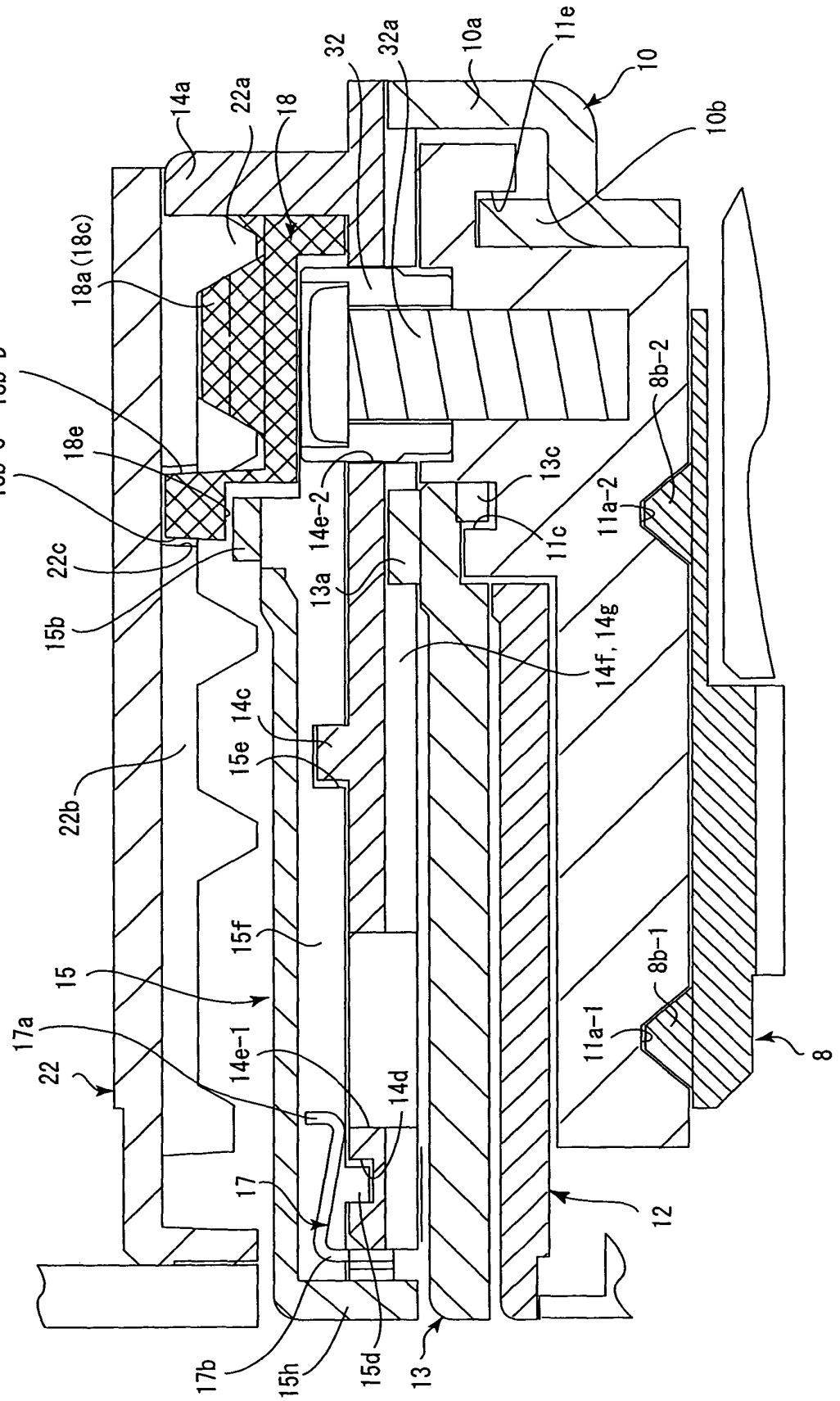
[illegible]

Fig. 36

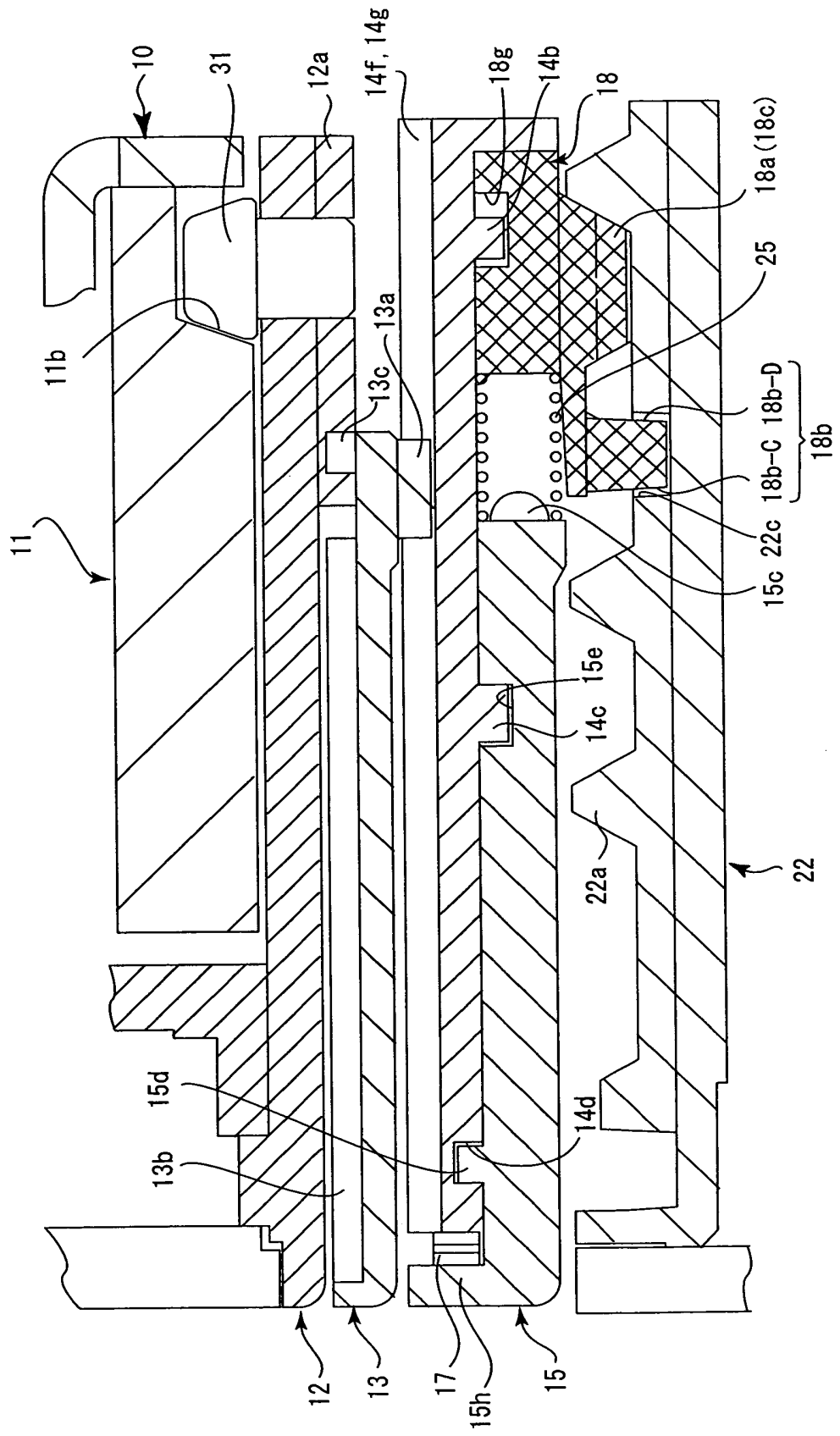


Fig. 37

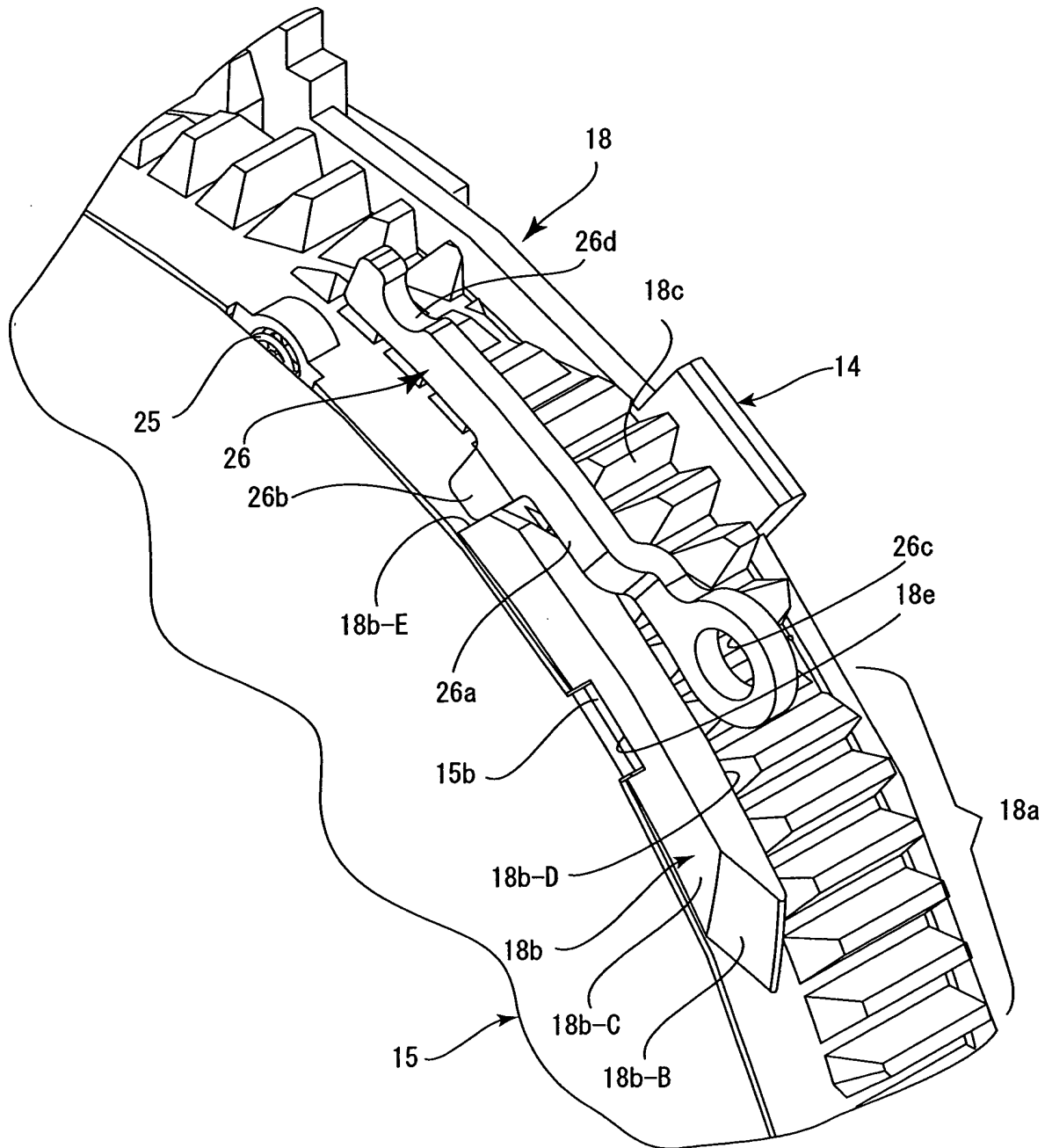


Fig. 38

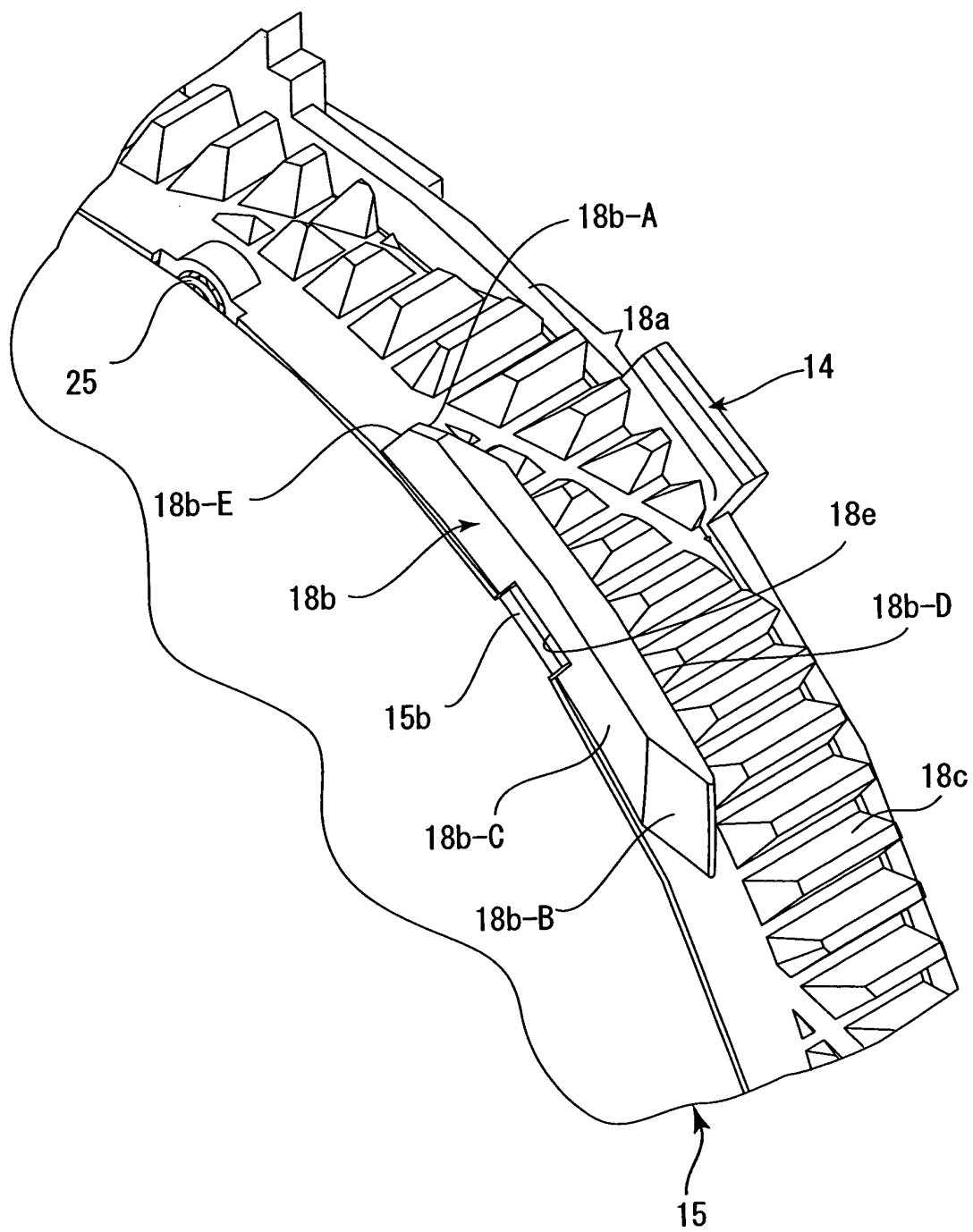


Fig. 39

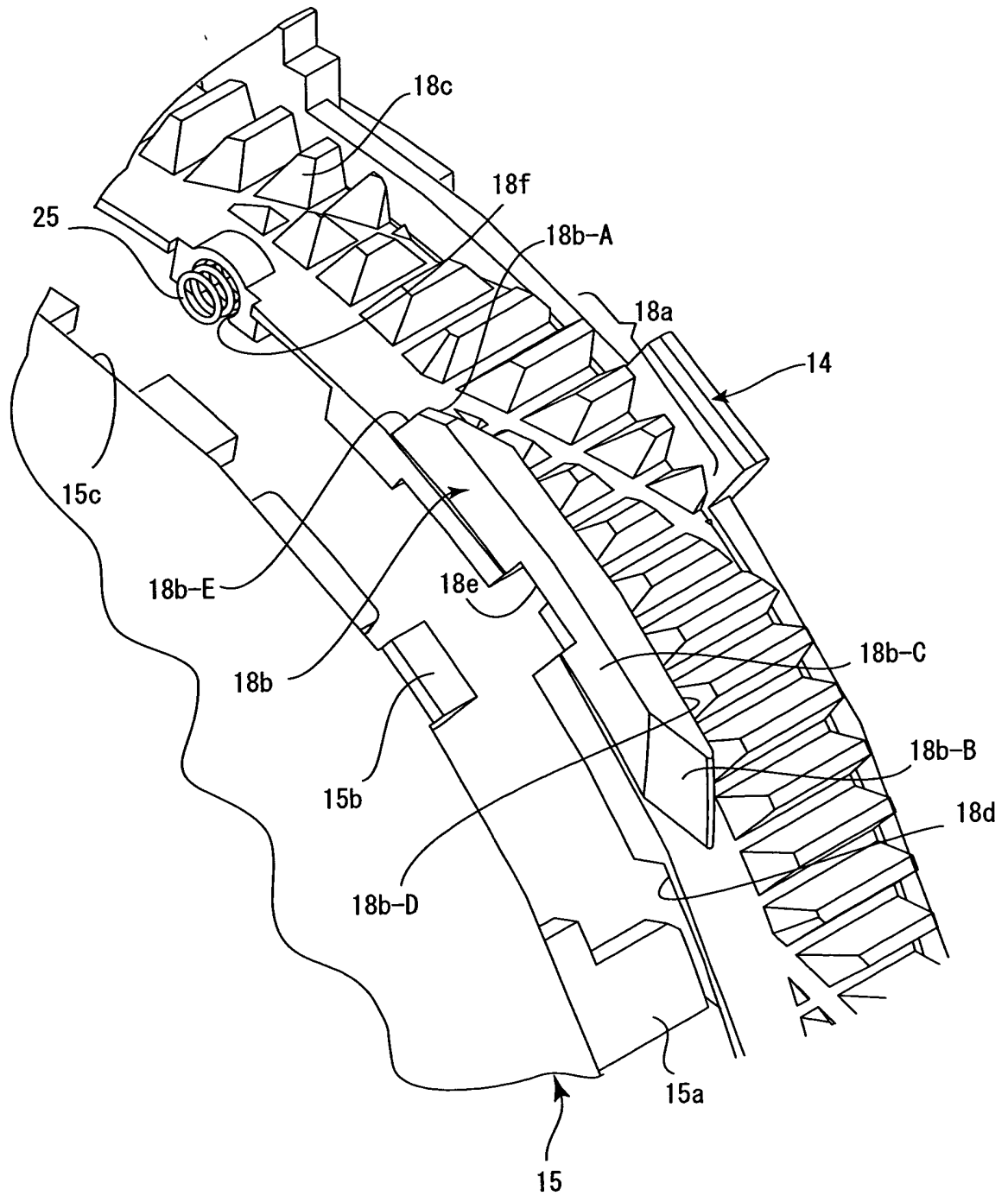


Fig . 40

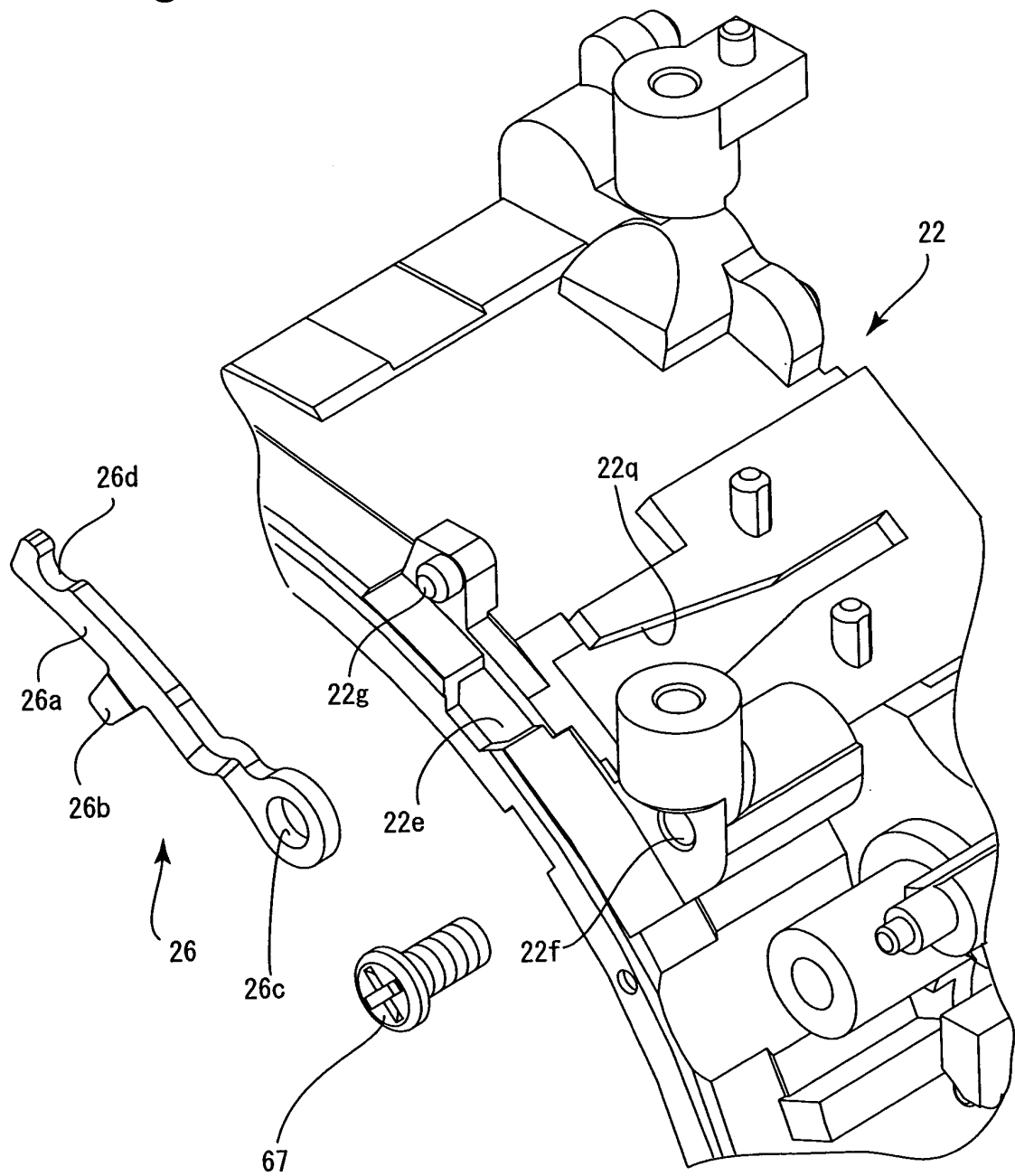


Fig . 41

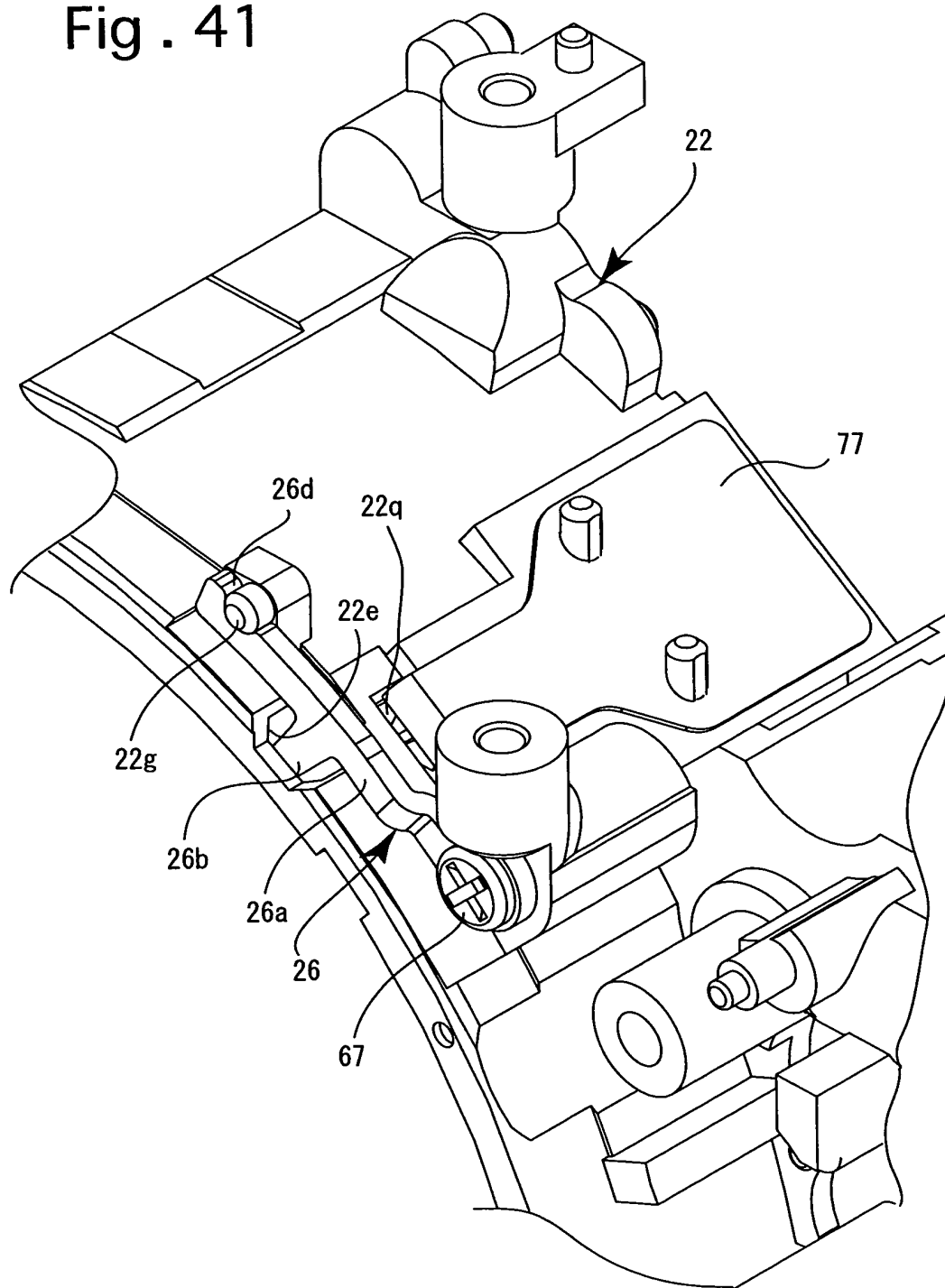


Fig. 42

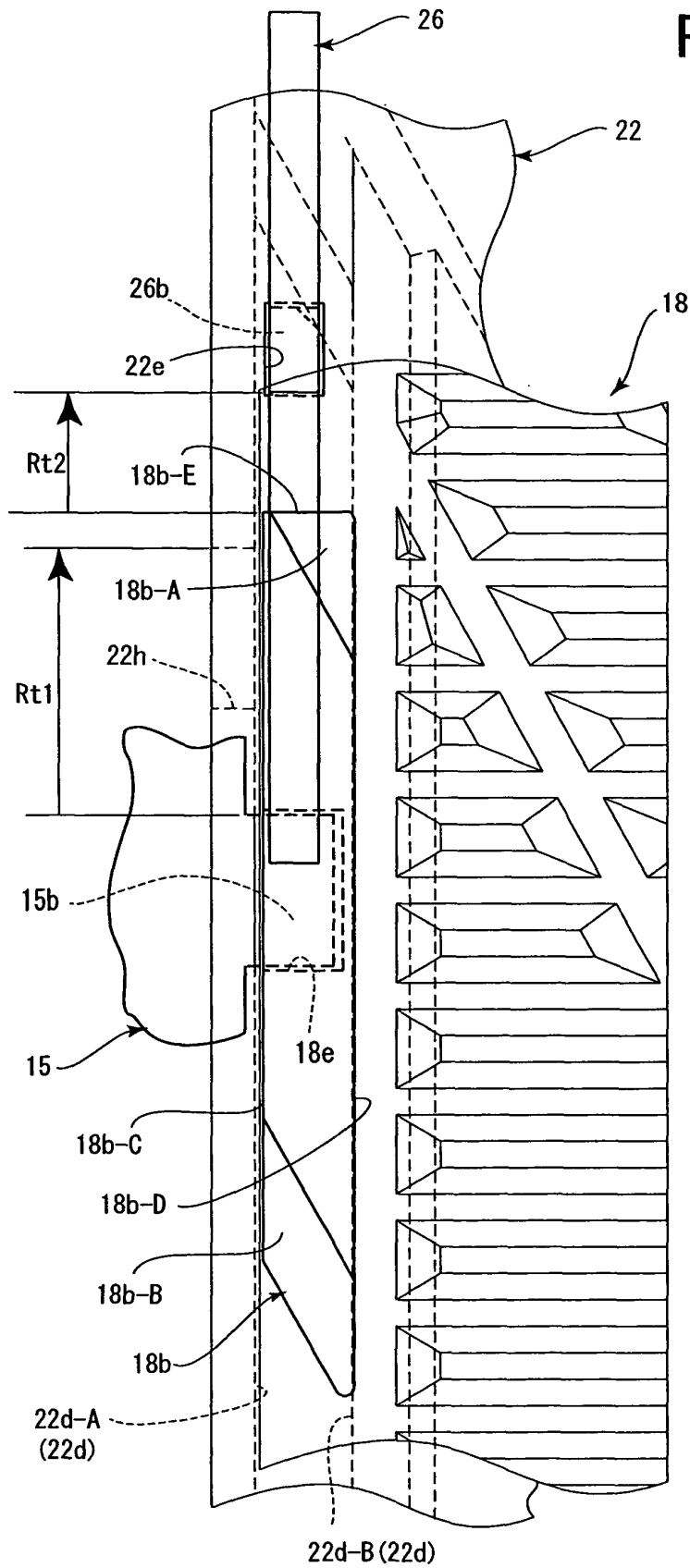


Fig. 43

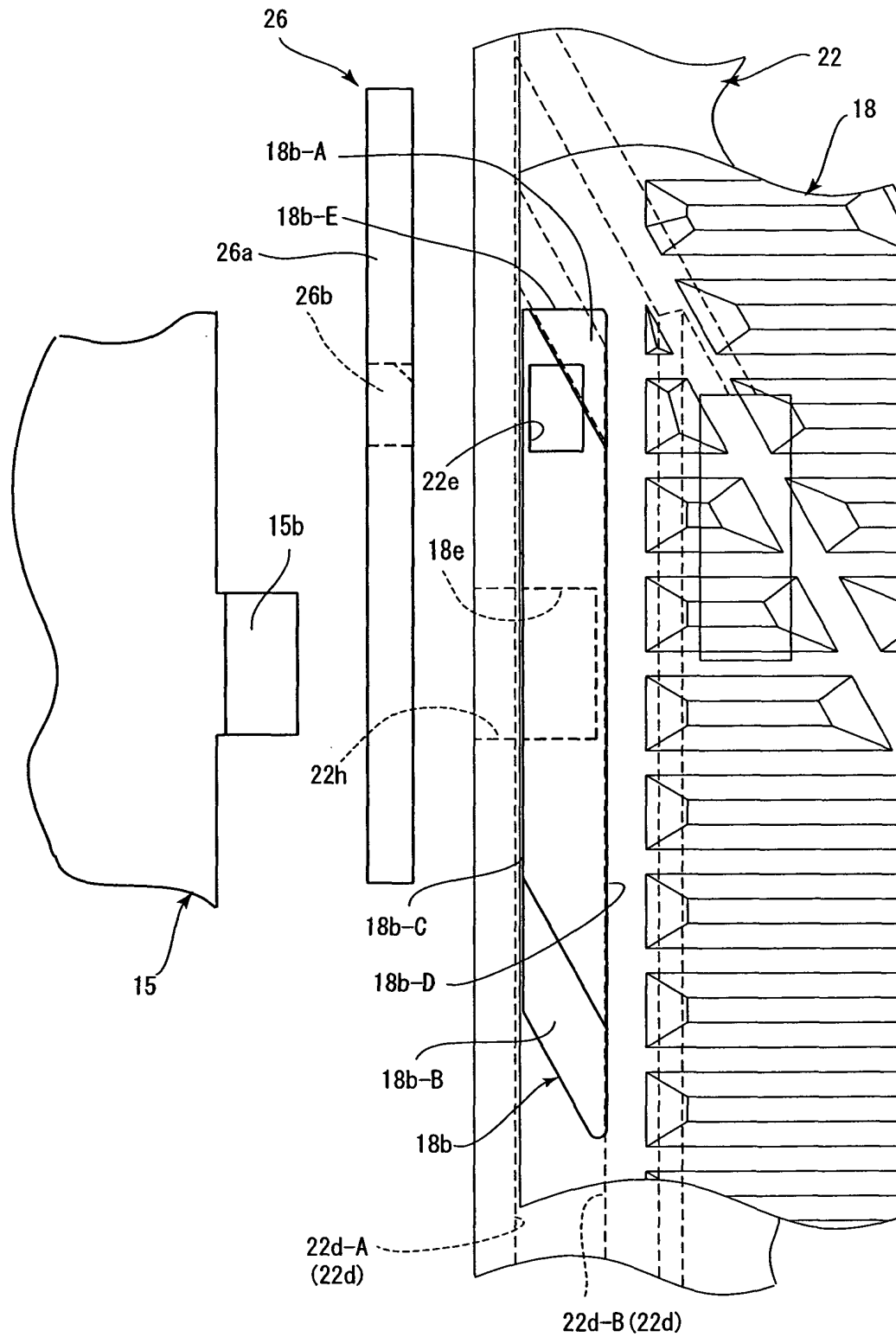


Fig. 44

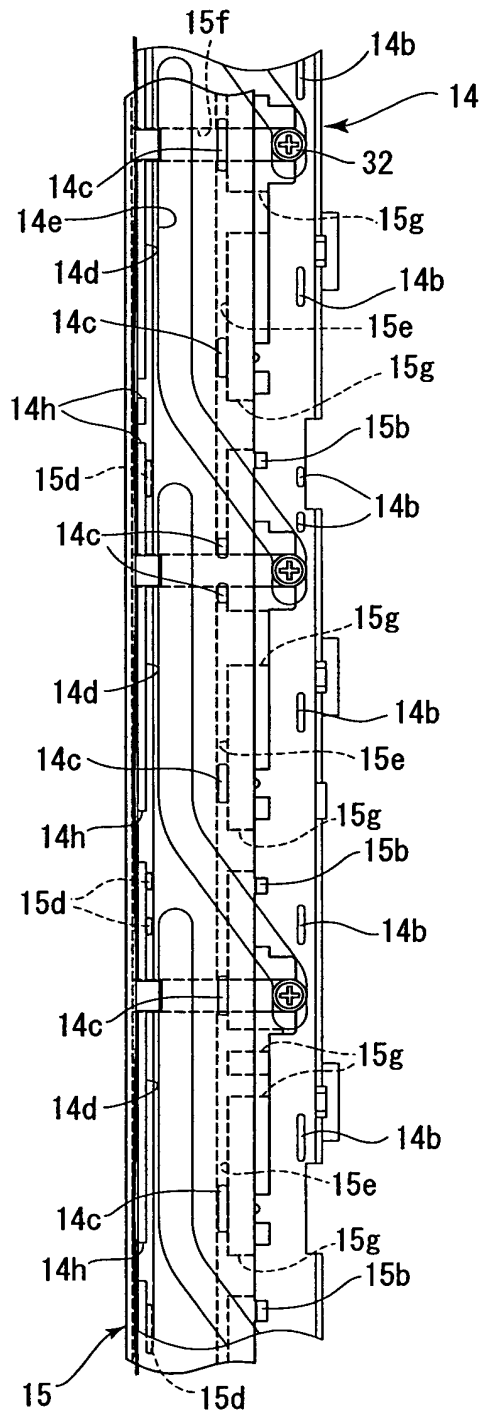


Fig. 45

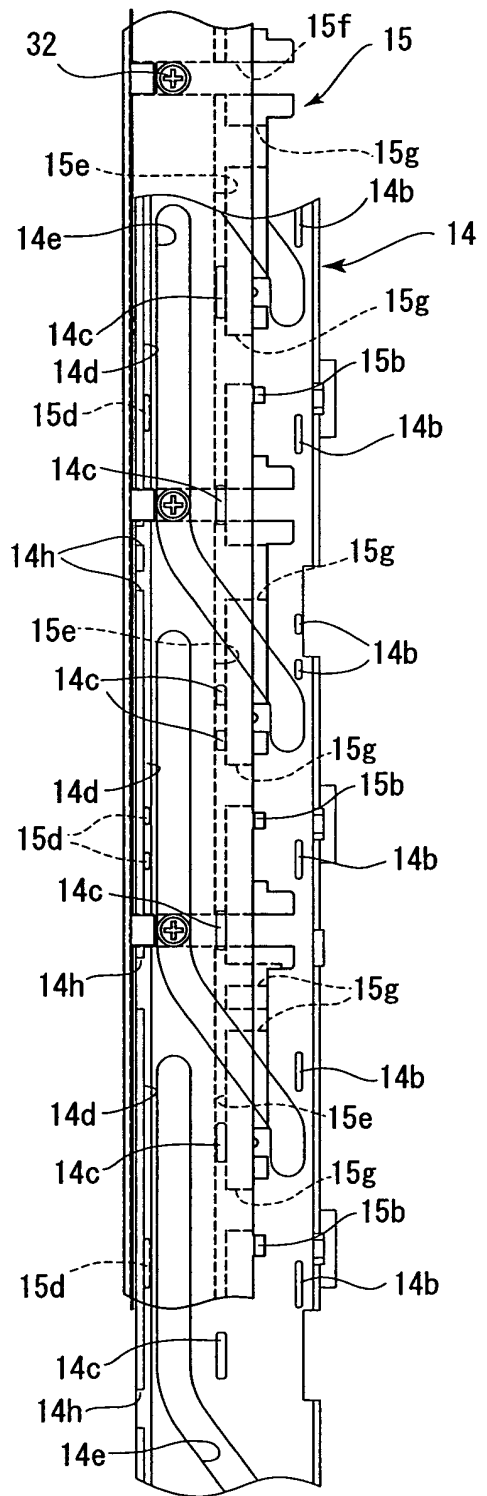


Fig. 46

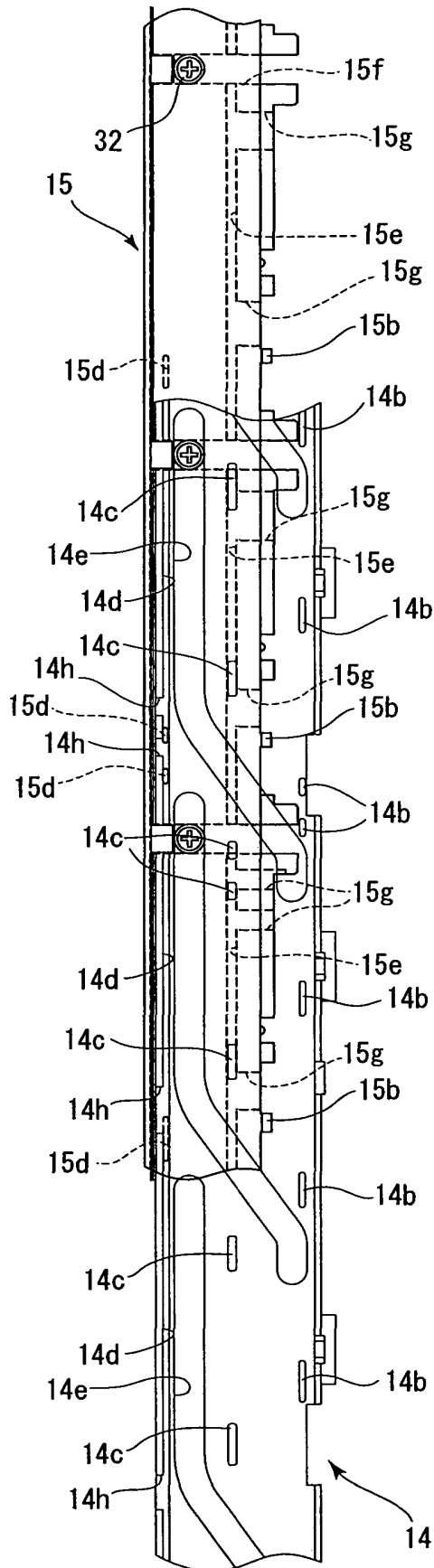


Fig. 47

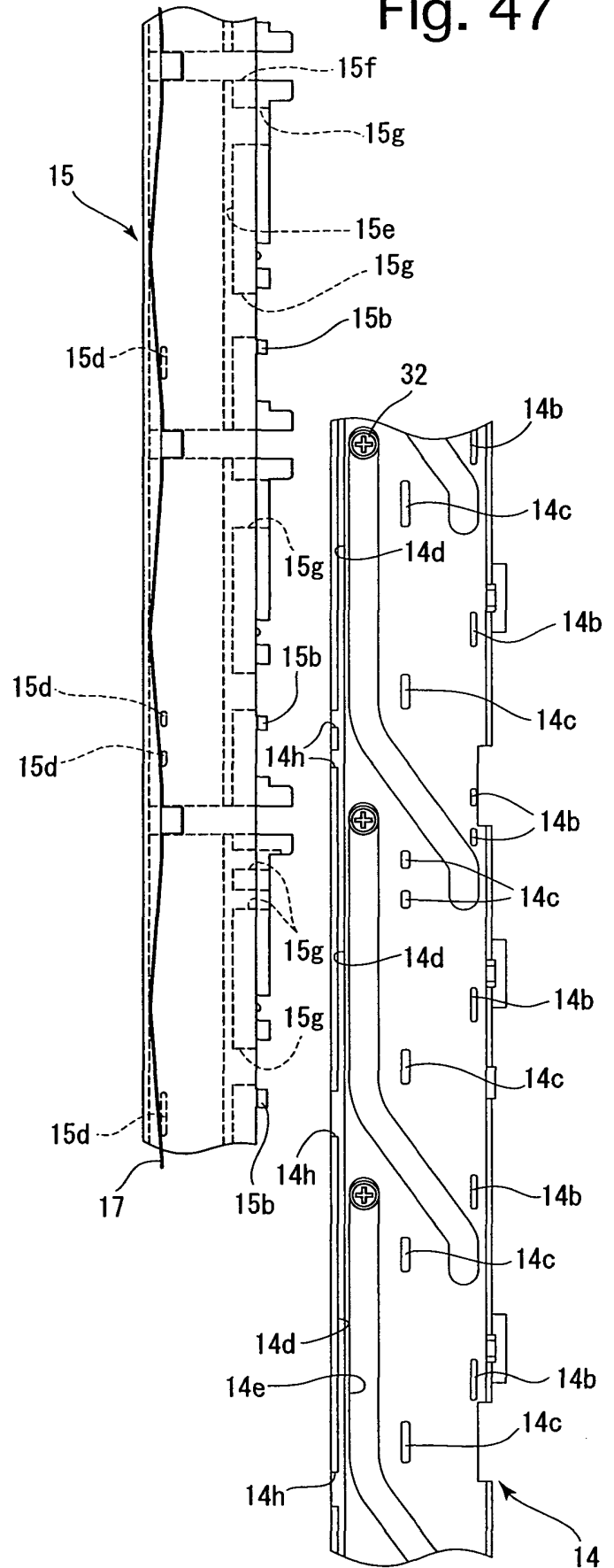


Fig. 48

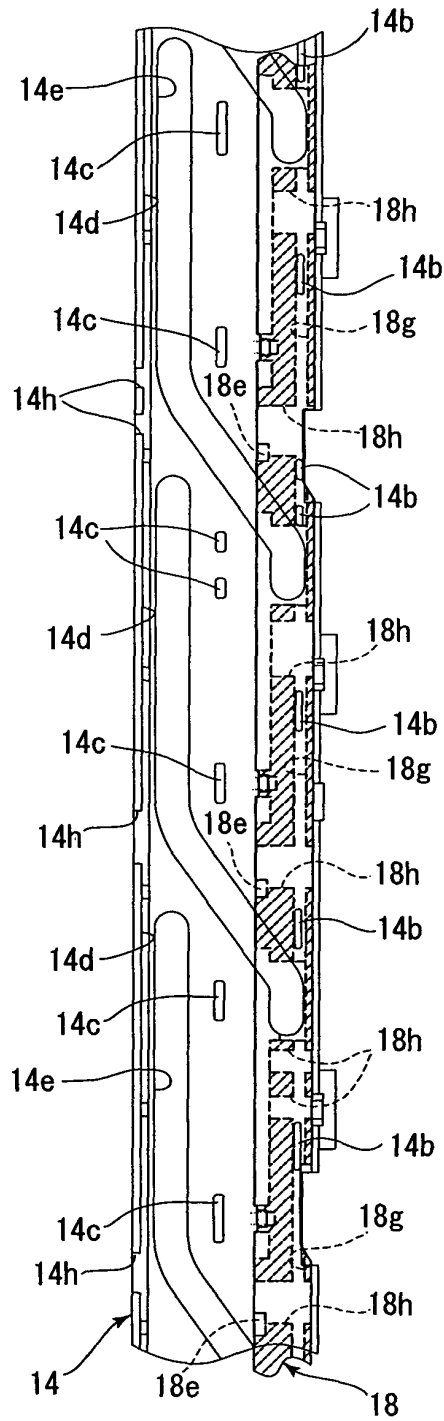
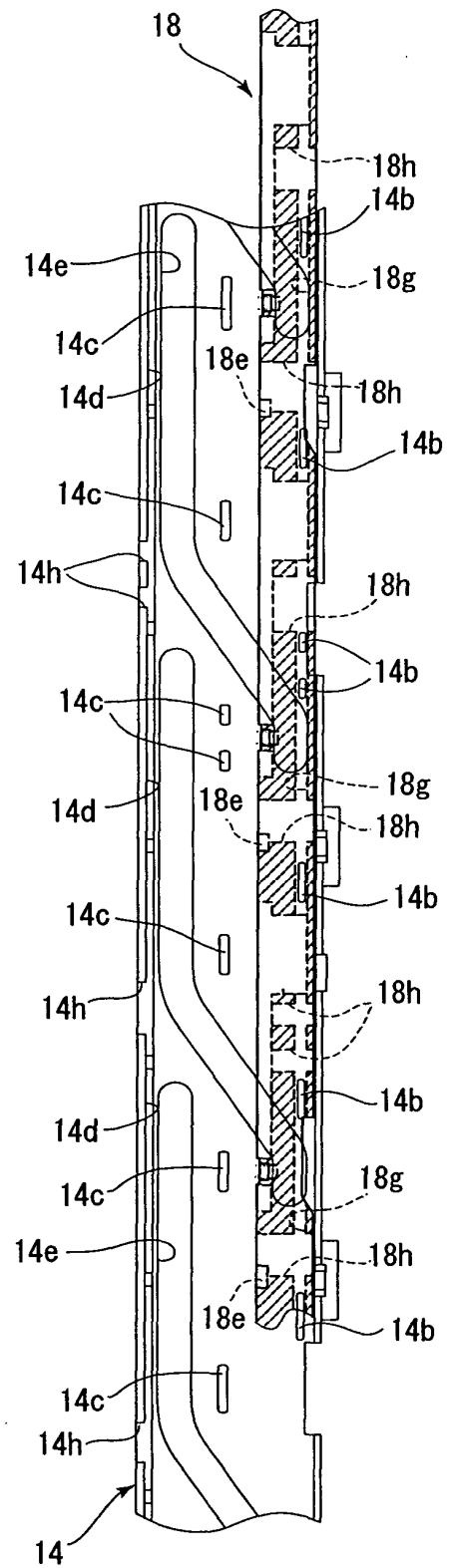


Fig. 49



[illegible]

g. 51

18

18h

18g

18e

18h

14b

18h

18g

14b

14e

14c

14d

14c

18e

18h

14b

18h

18g

14b

14c

14d

14c

18e

14h

18e

14c

14d

14c

14e

14

14c

14h

14b

Fig. 52

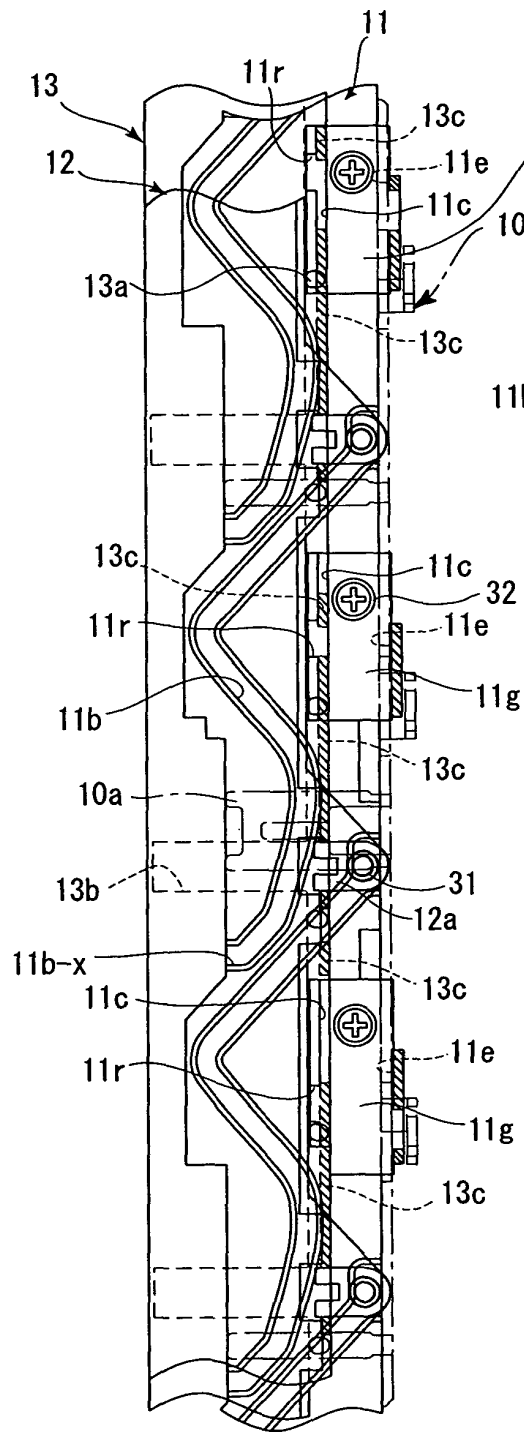


Fig. 53

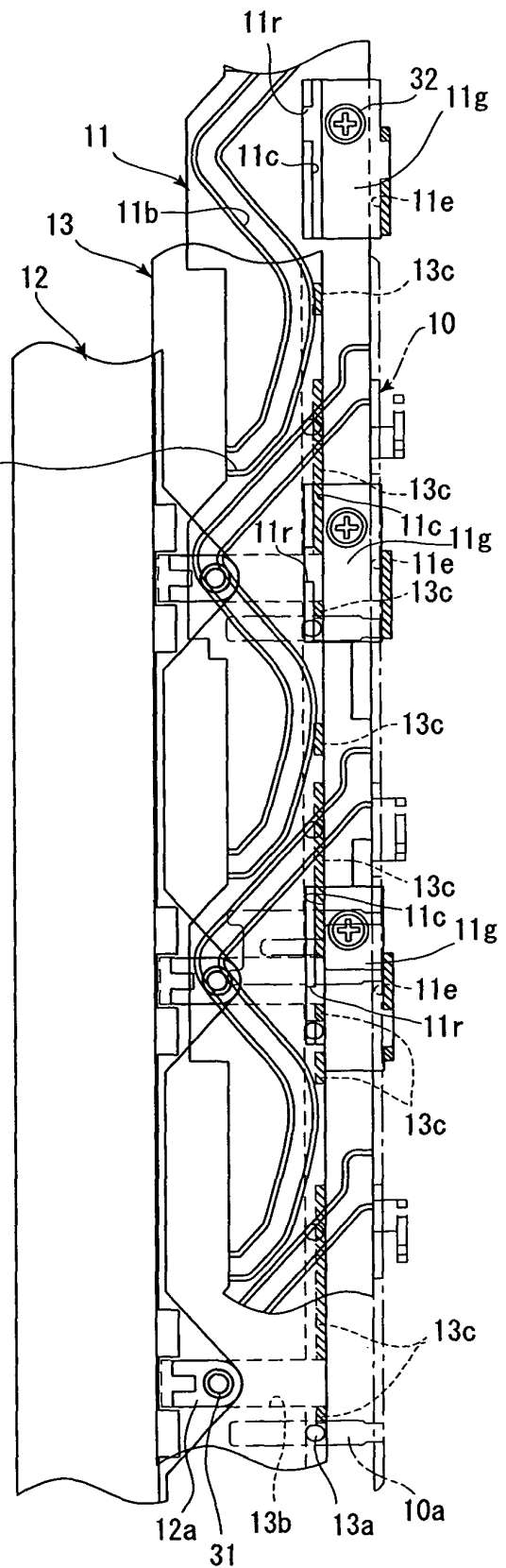


Fig. 55

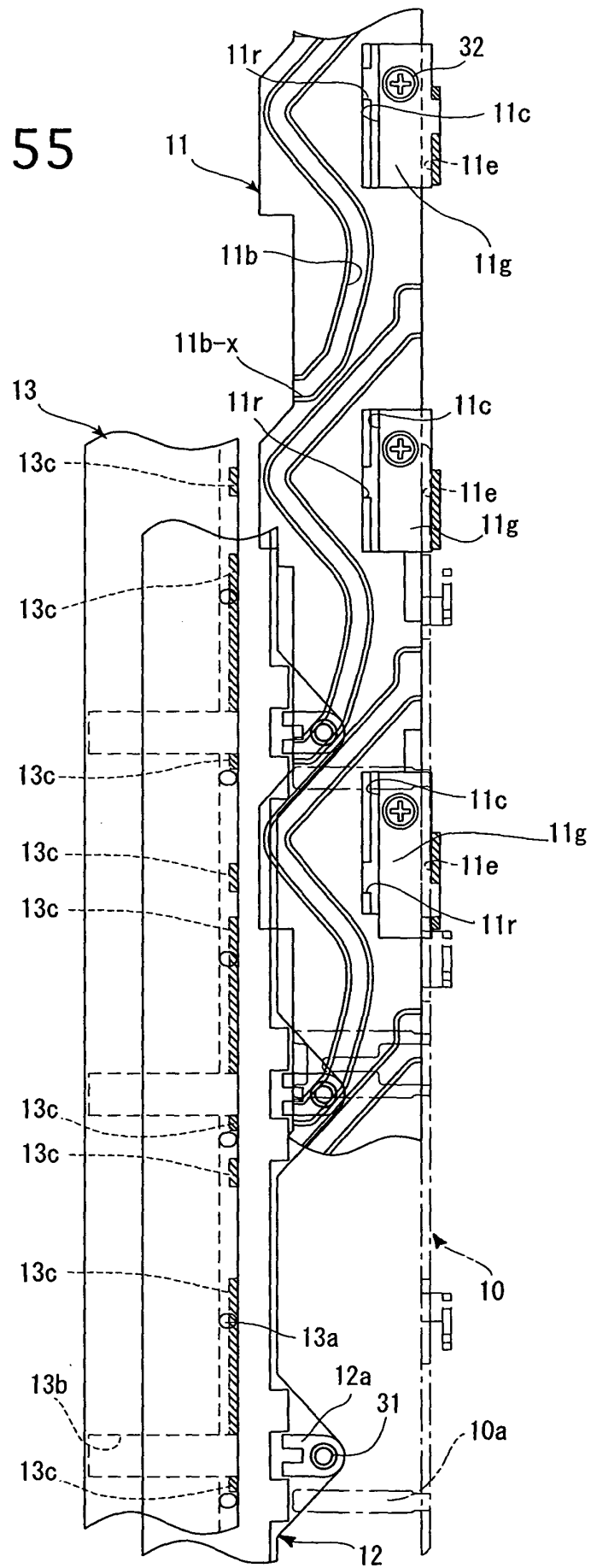


Fig. 56

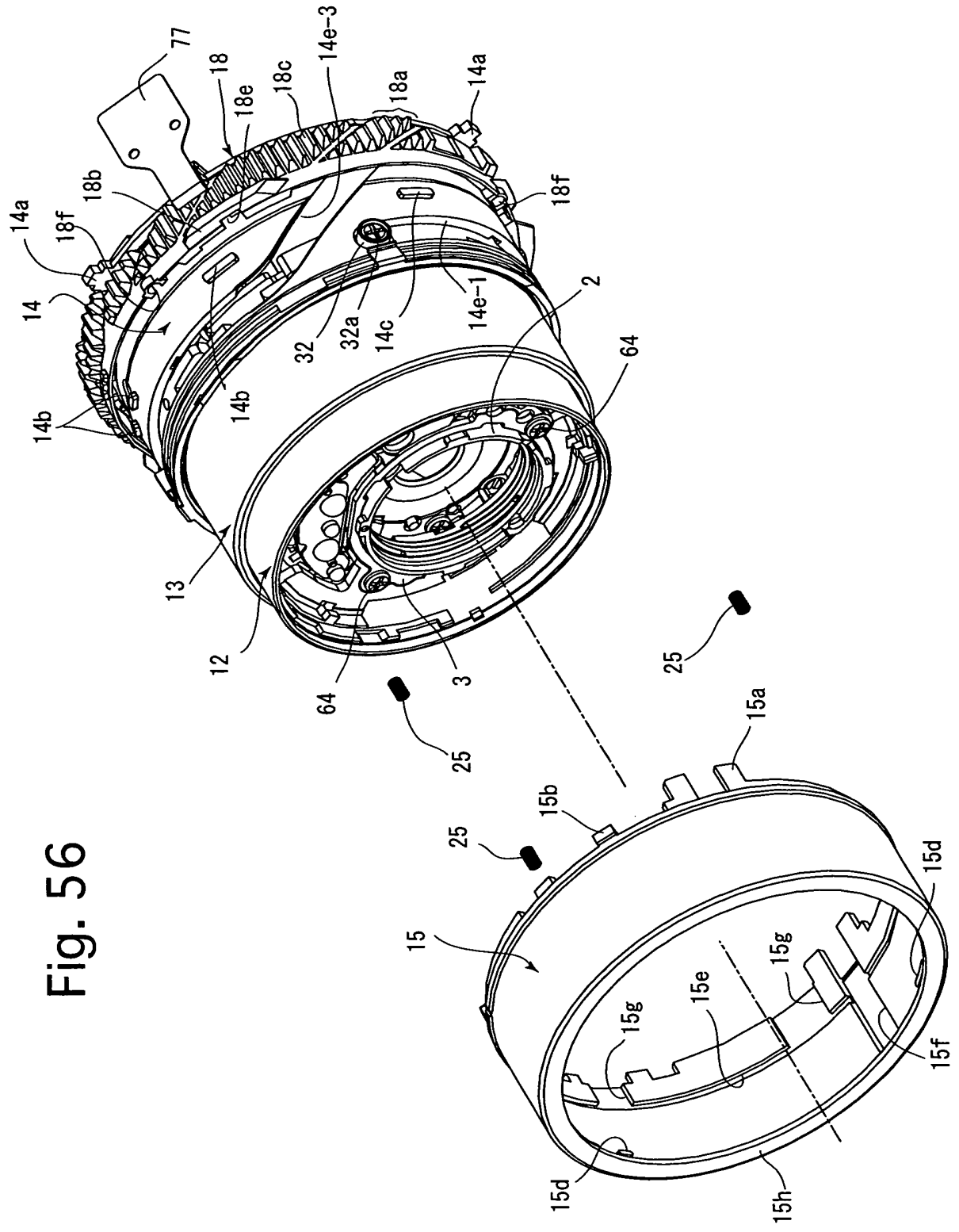


Fig. 57

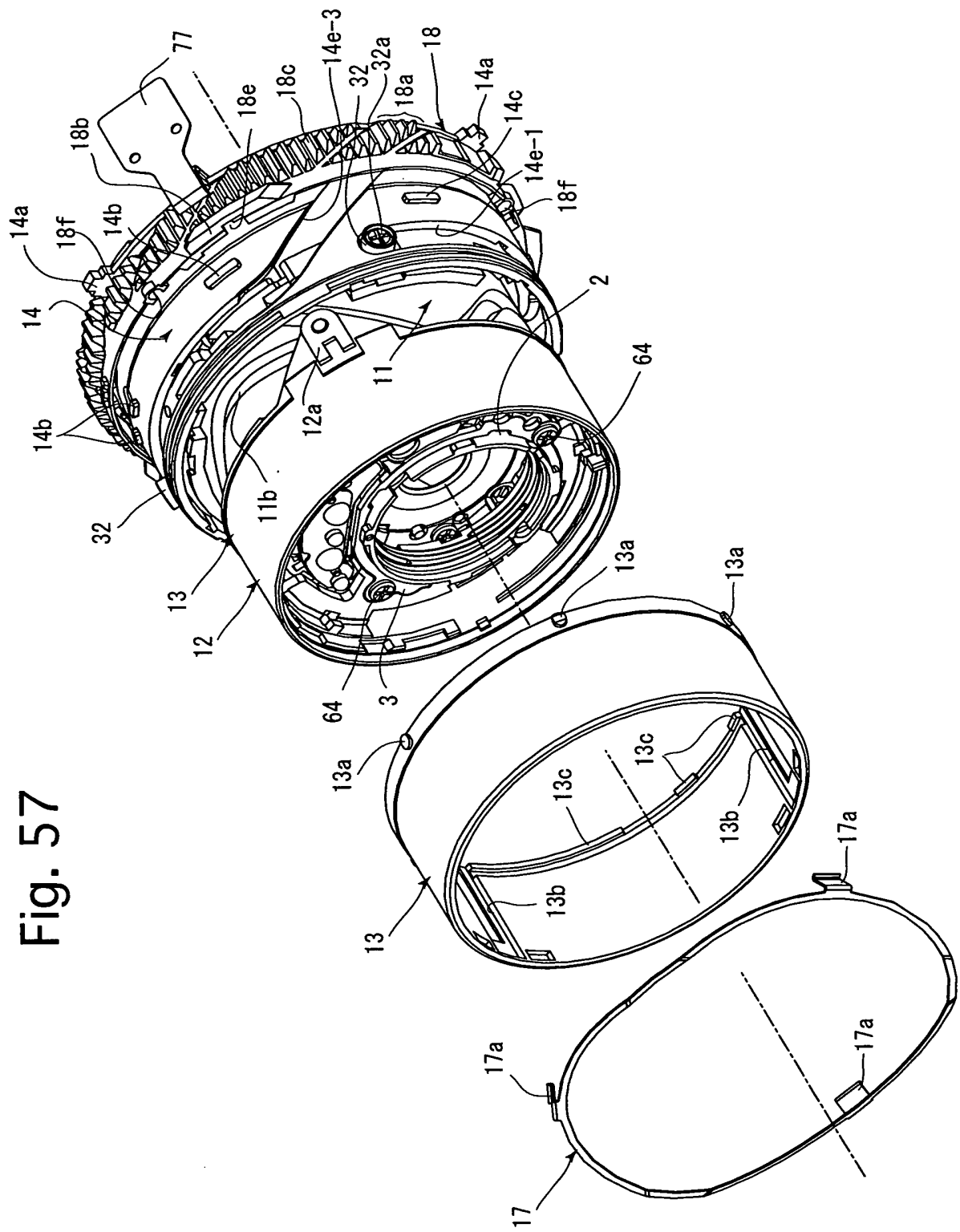


Fig. 58

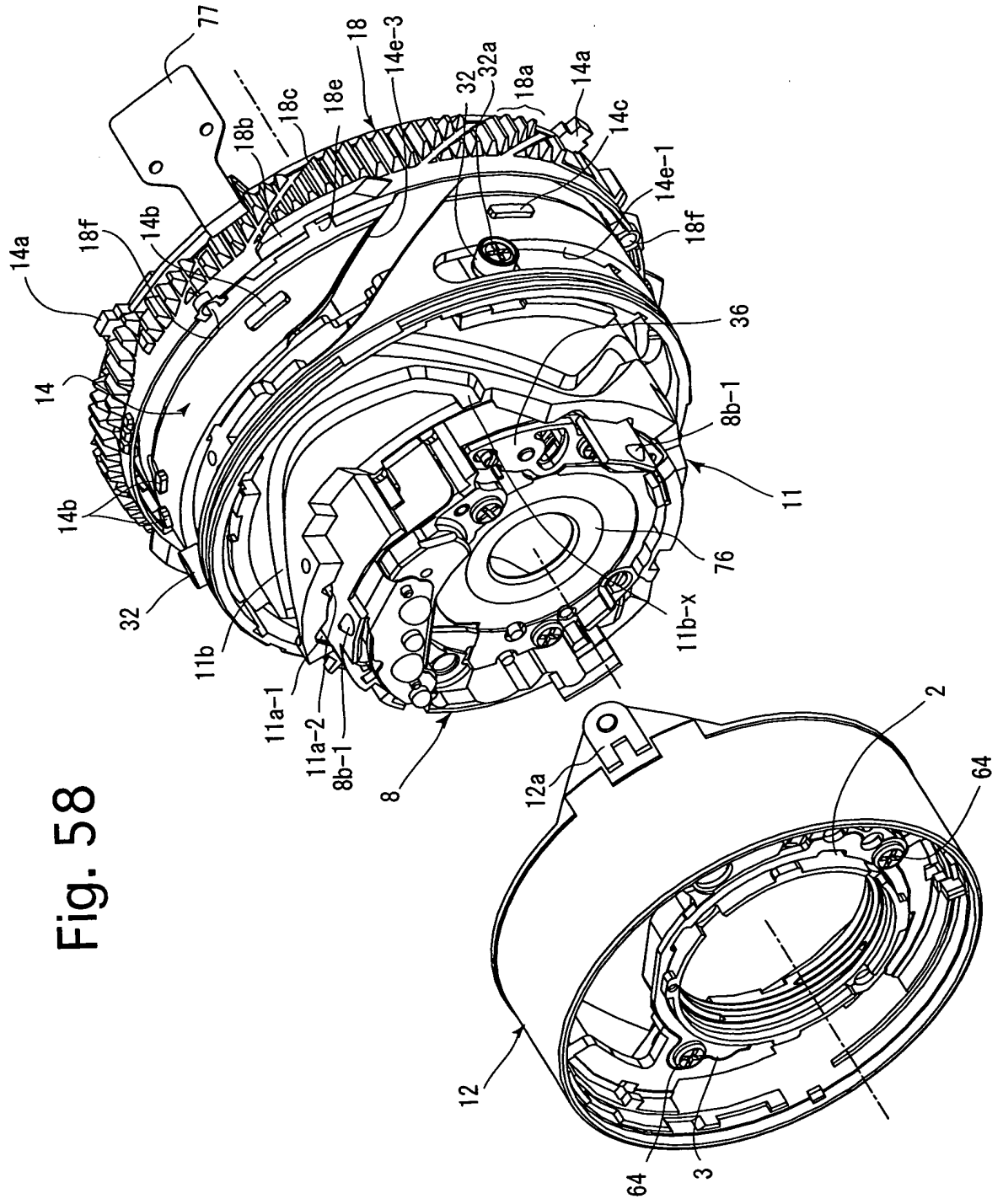


Fig. 59

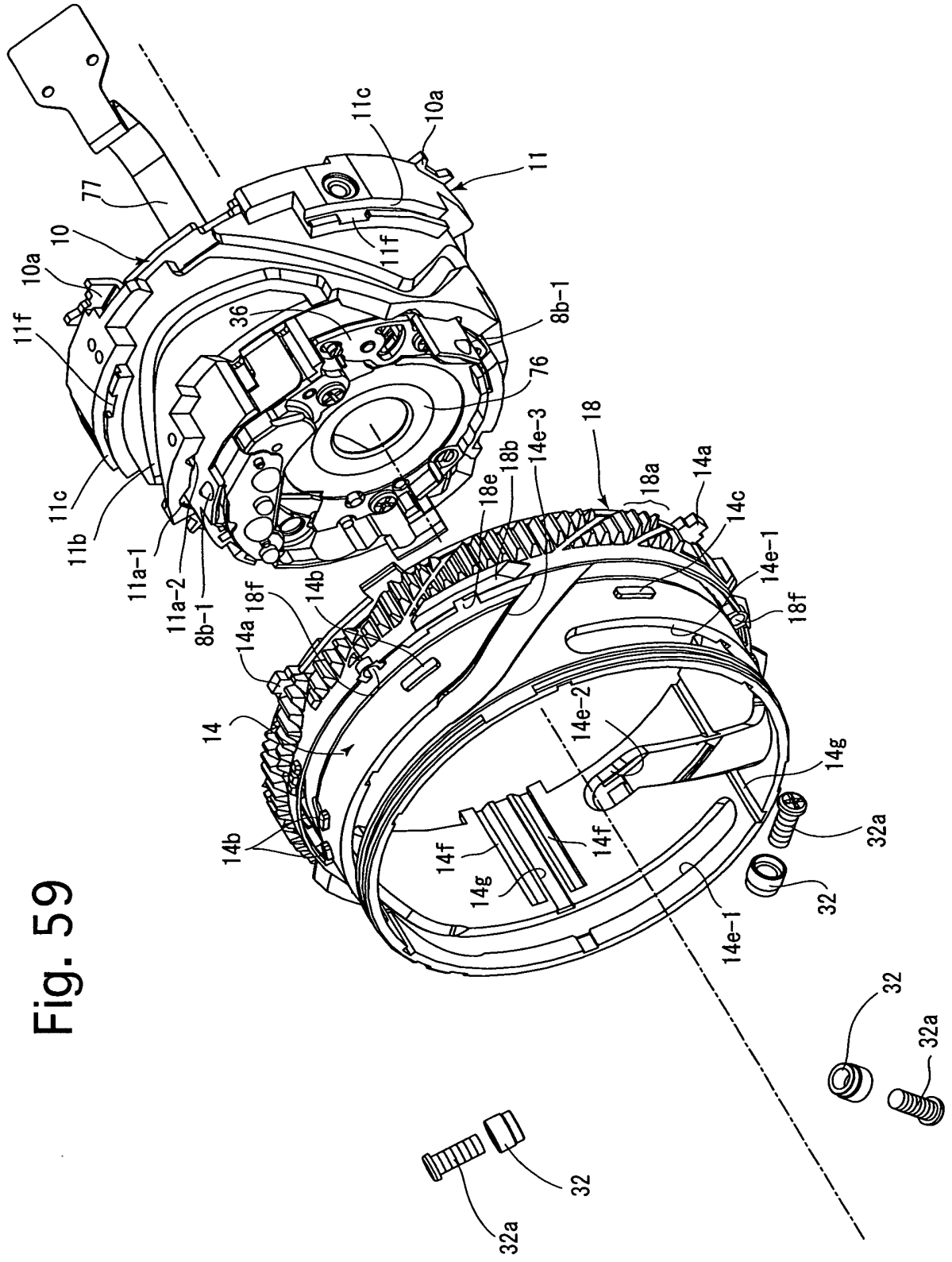


Fig. 60

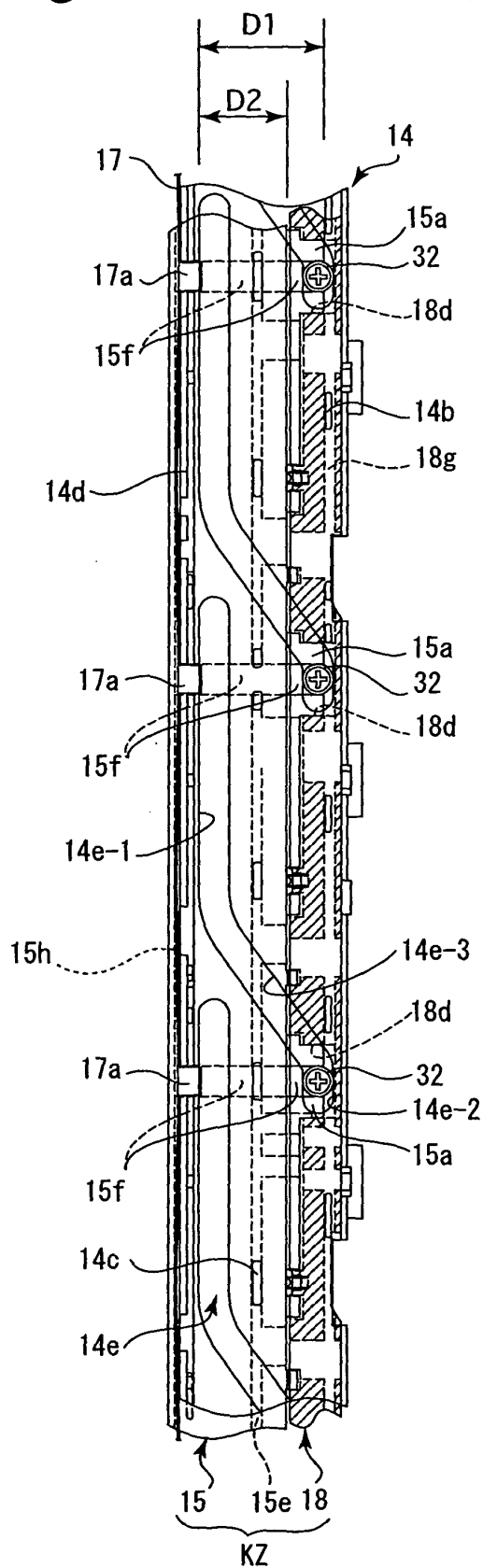
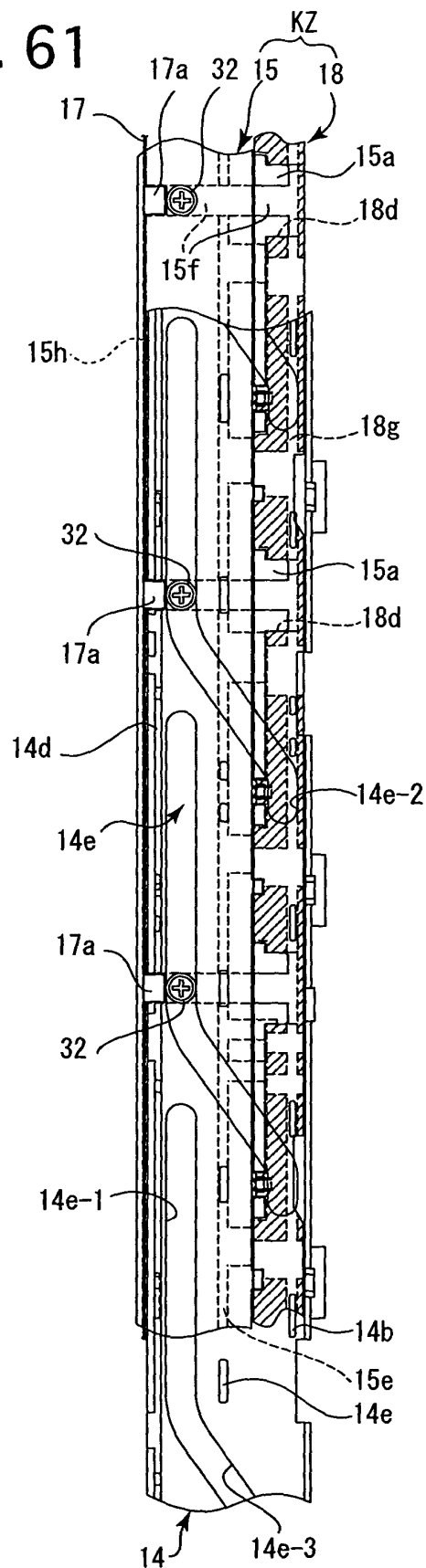


Fig. 61



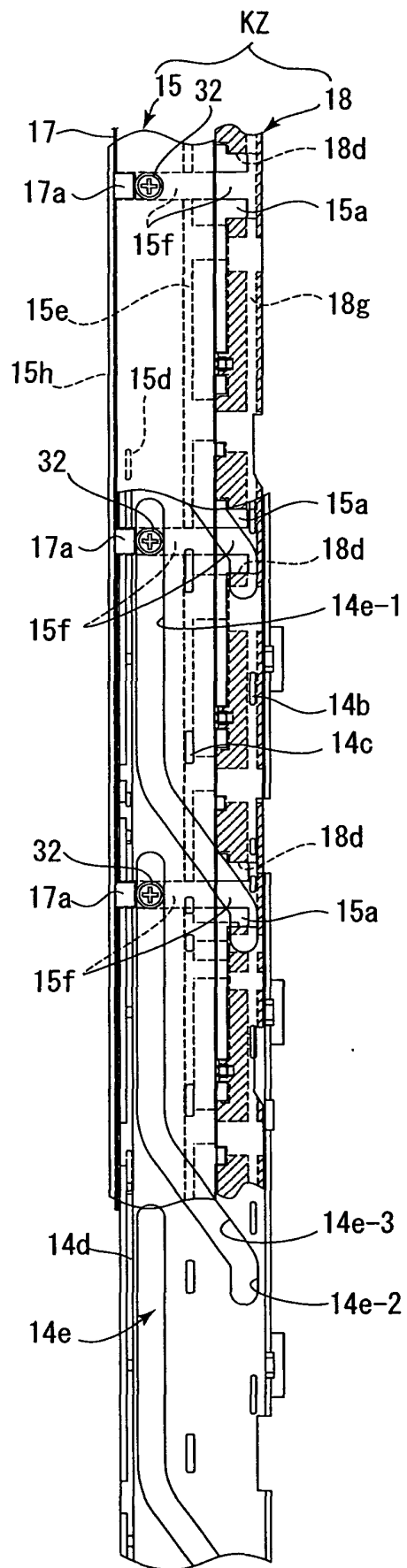


Fig. 62

Fig. 63

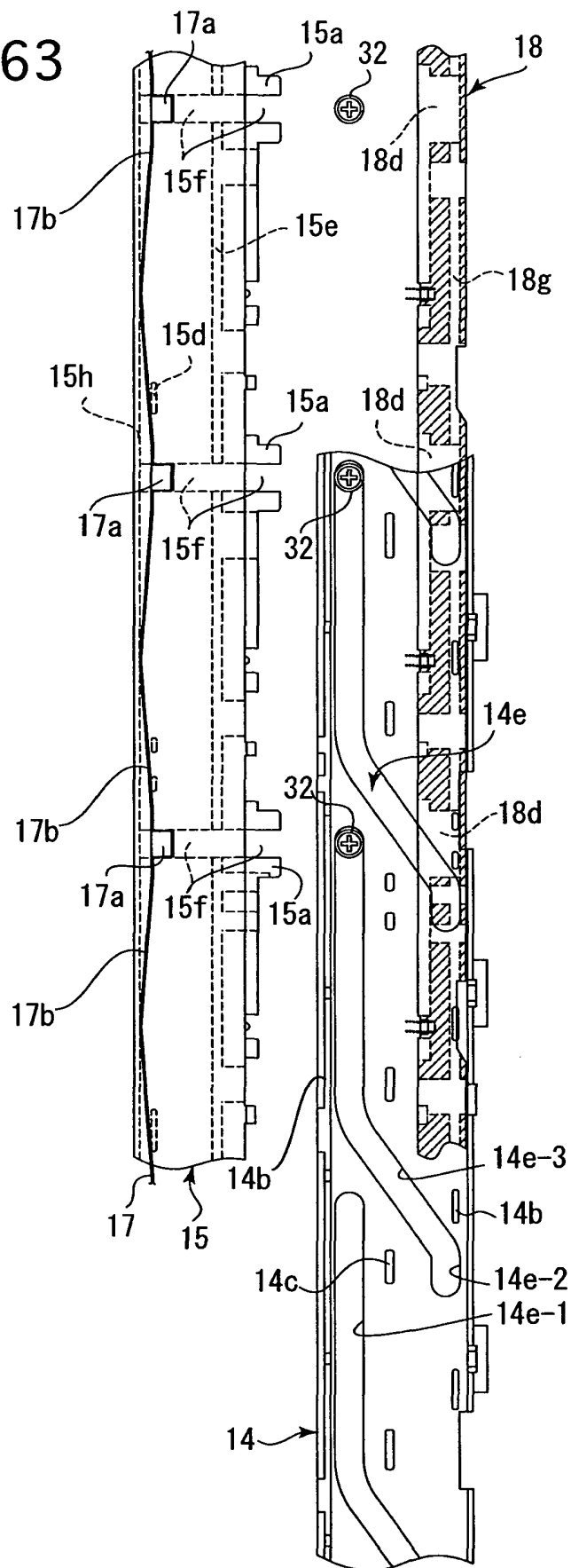


Fig. 64

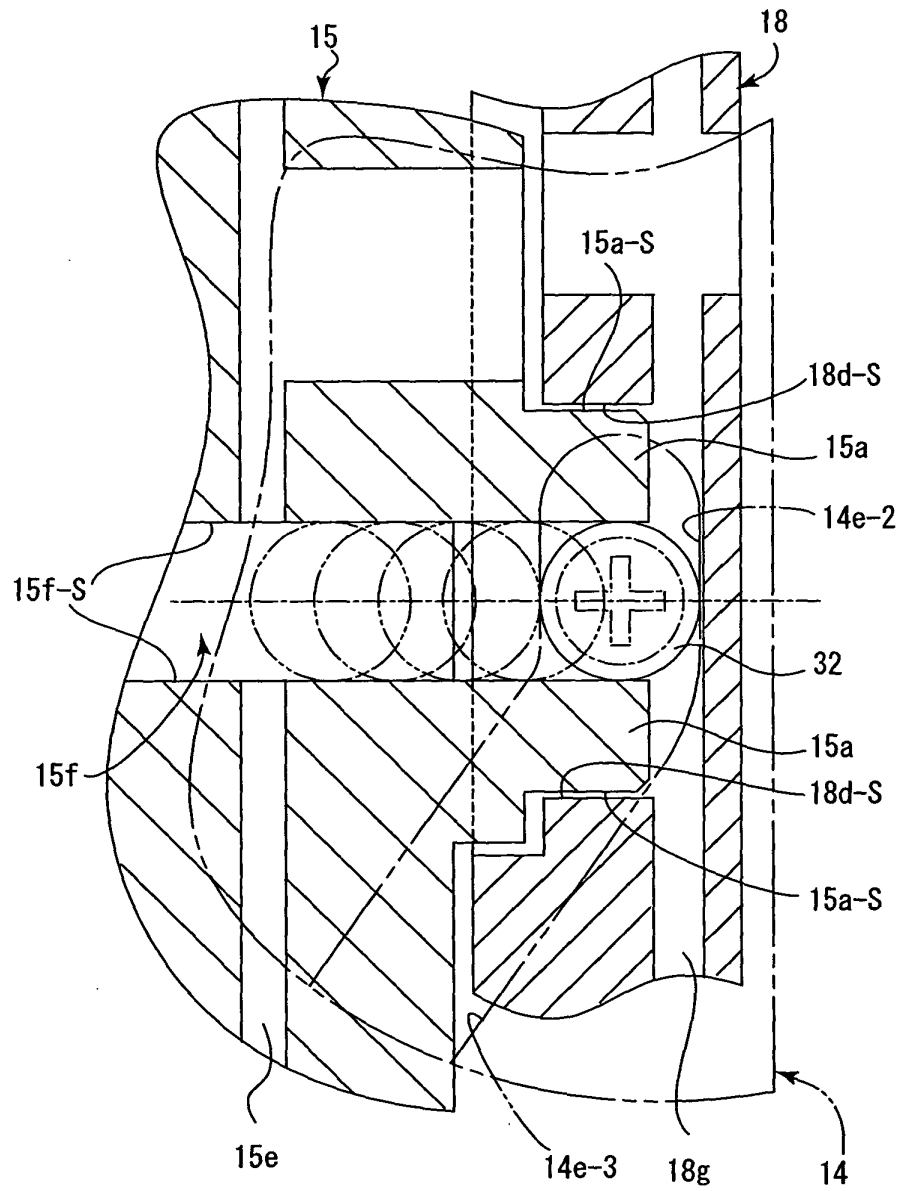


Fig. 65

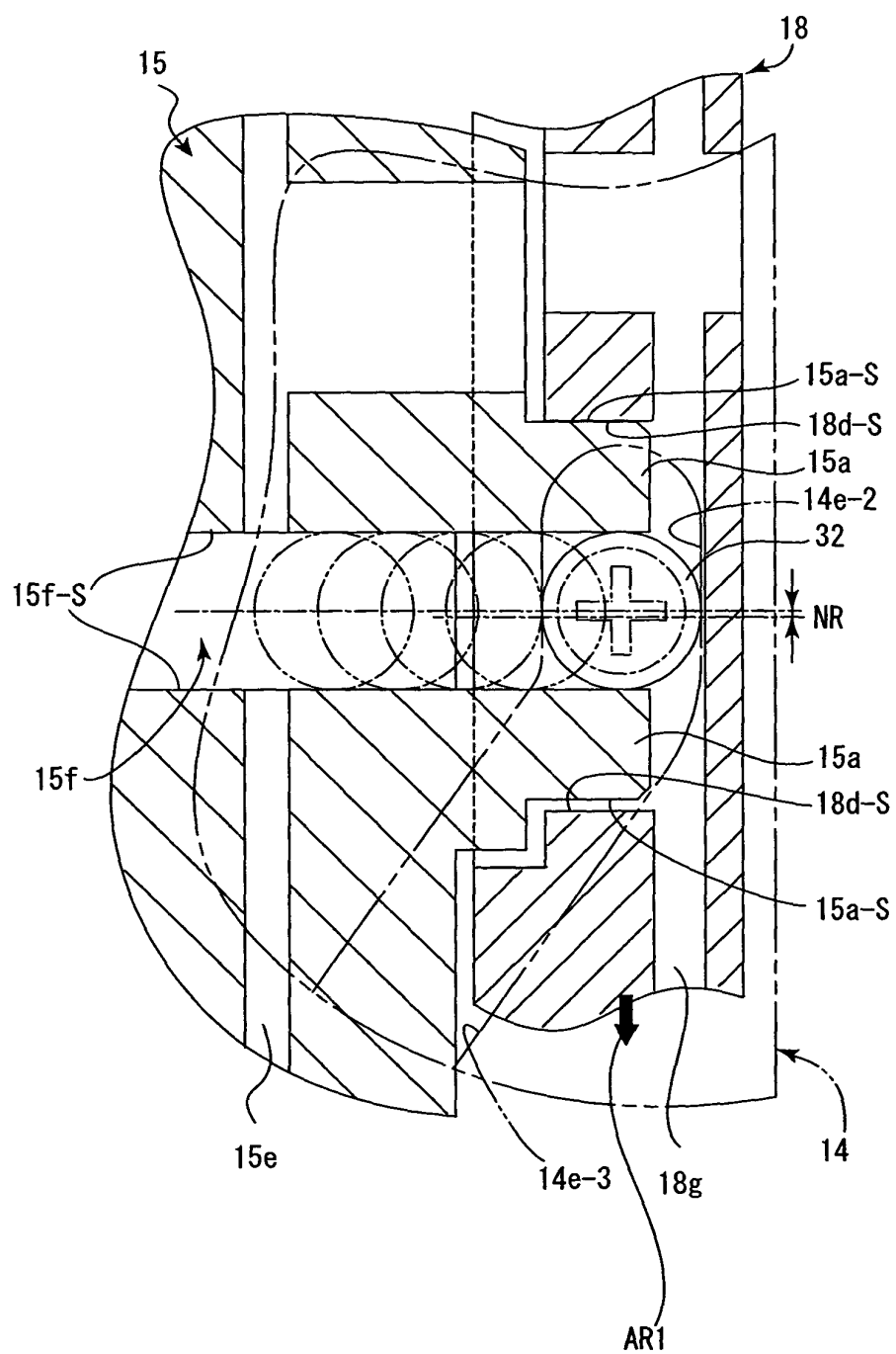


Fig. 66

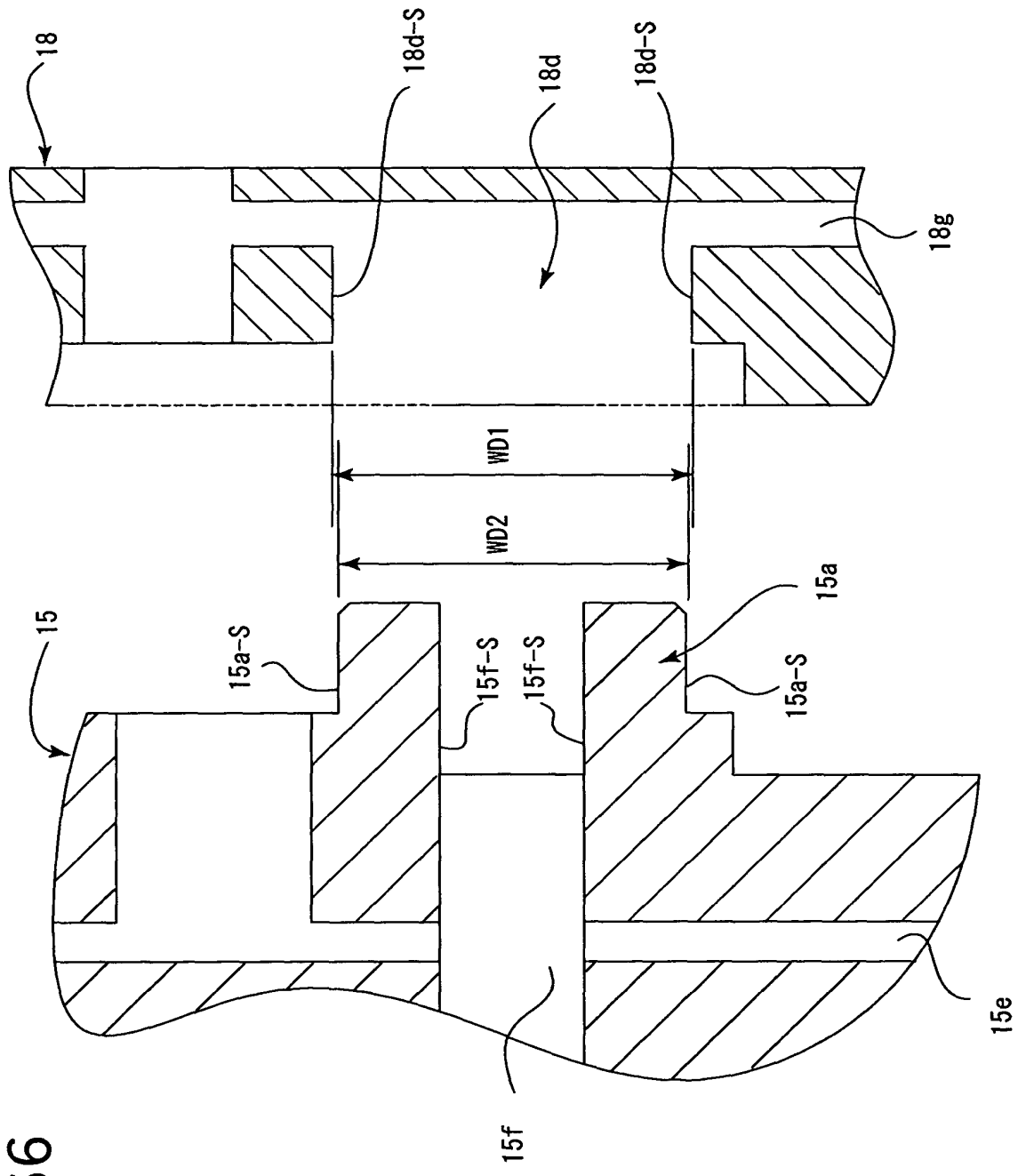


Fig. 67

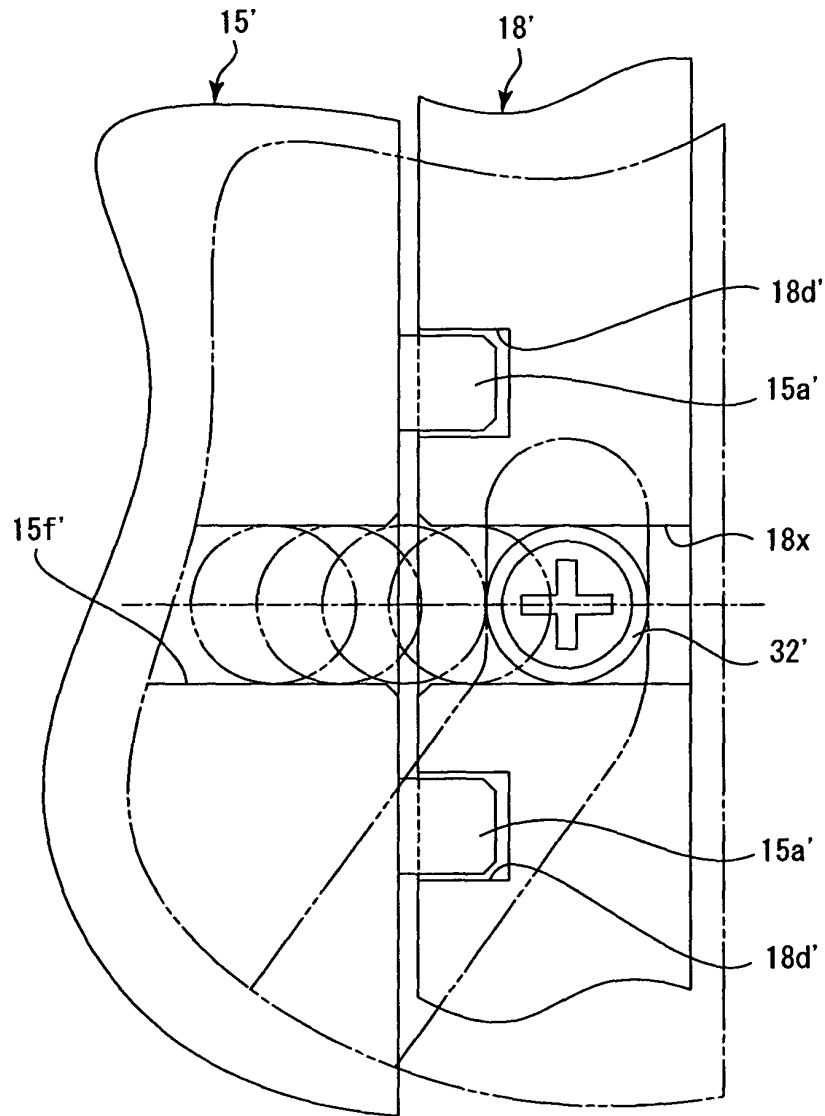


Fig. 68

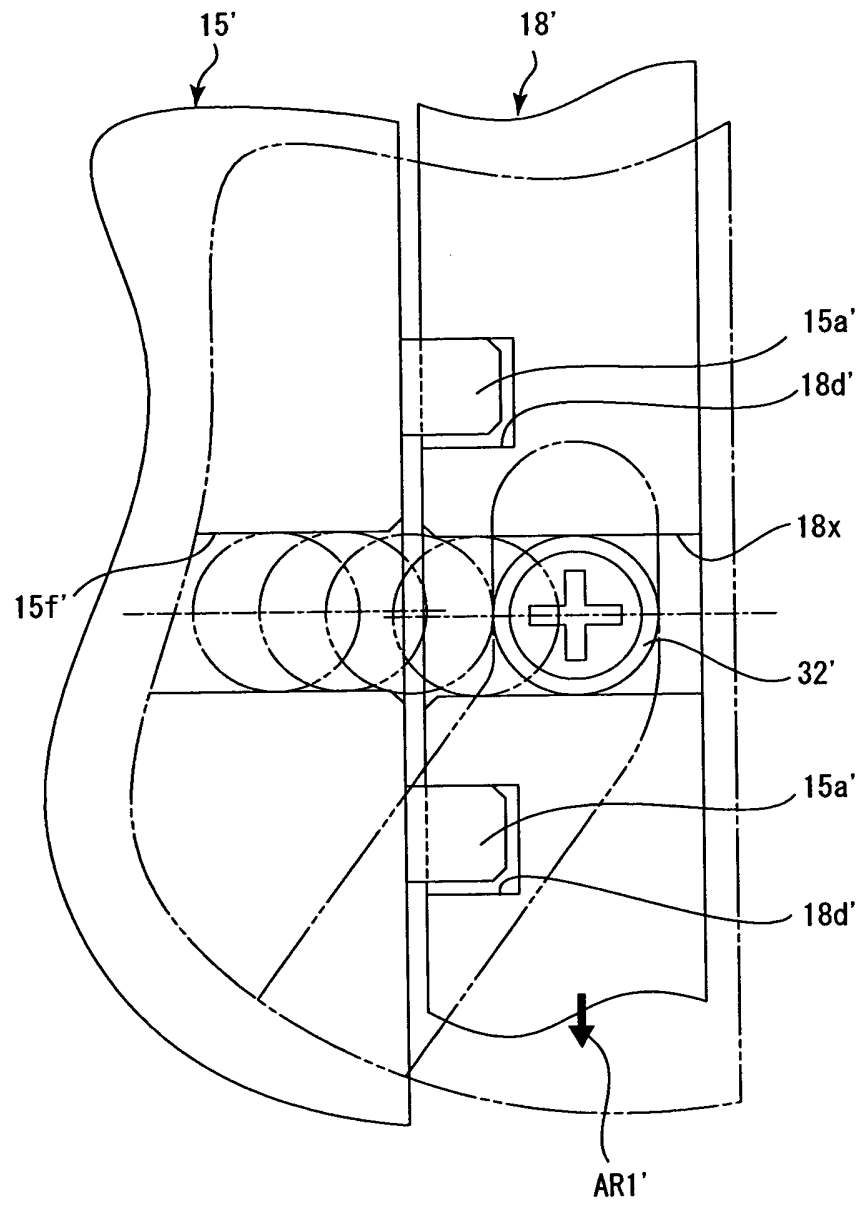


Fig. 69

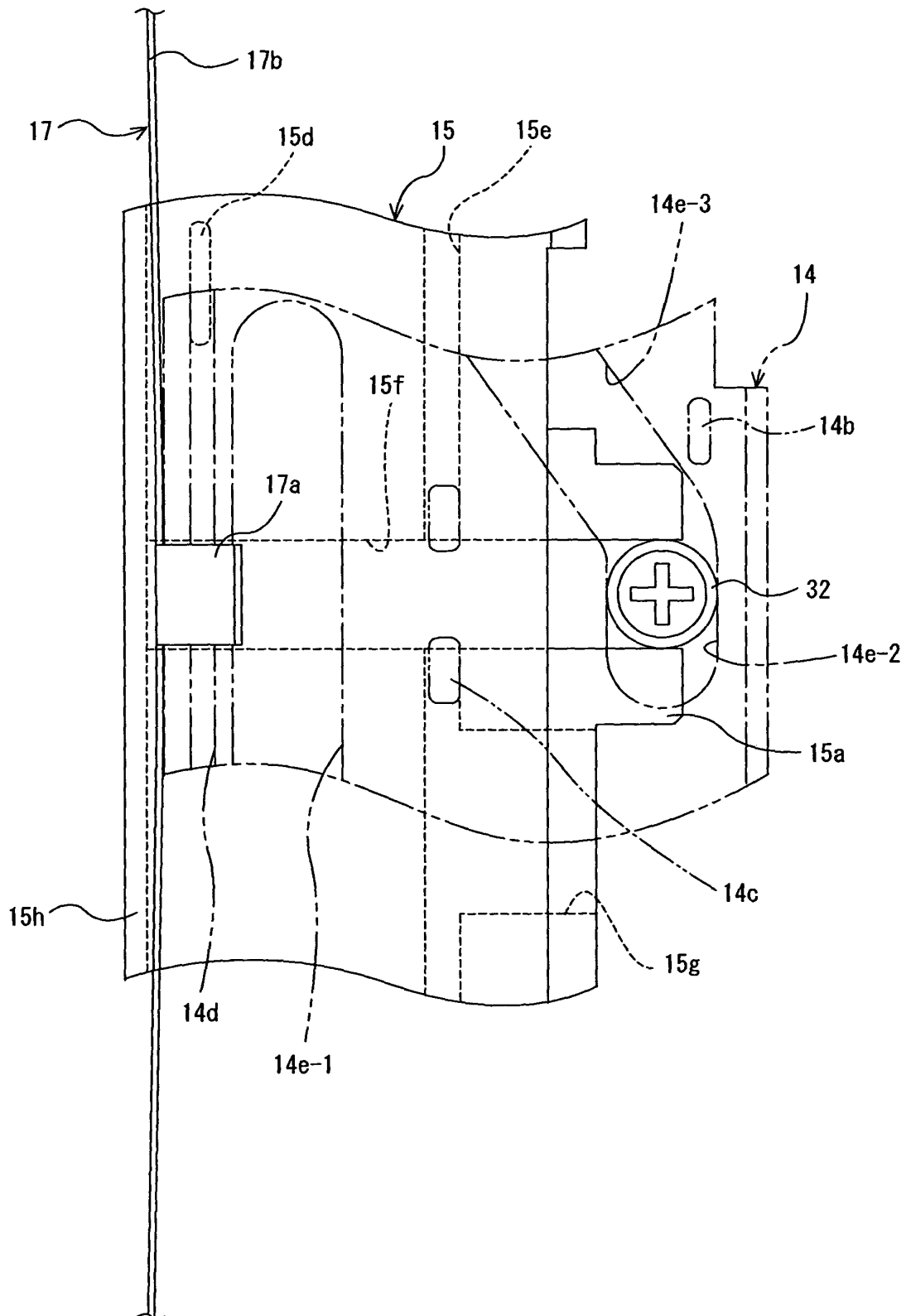
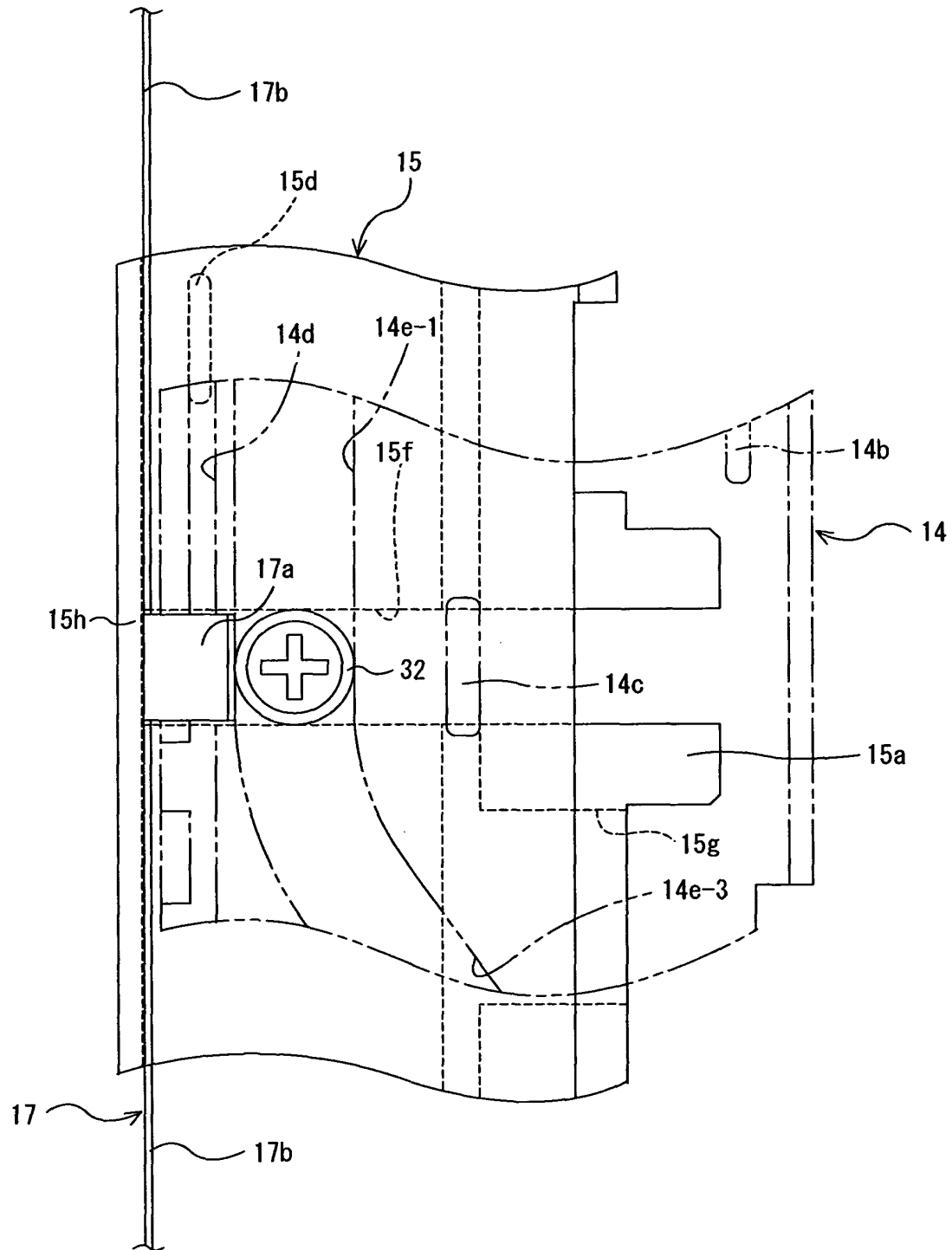


Fig. 70



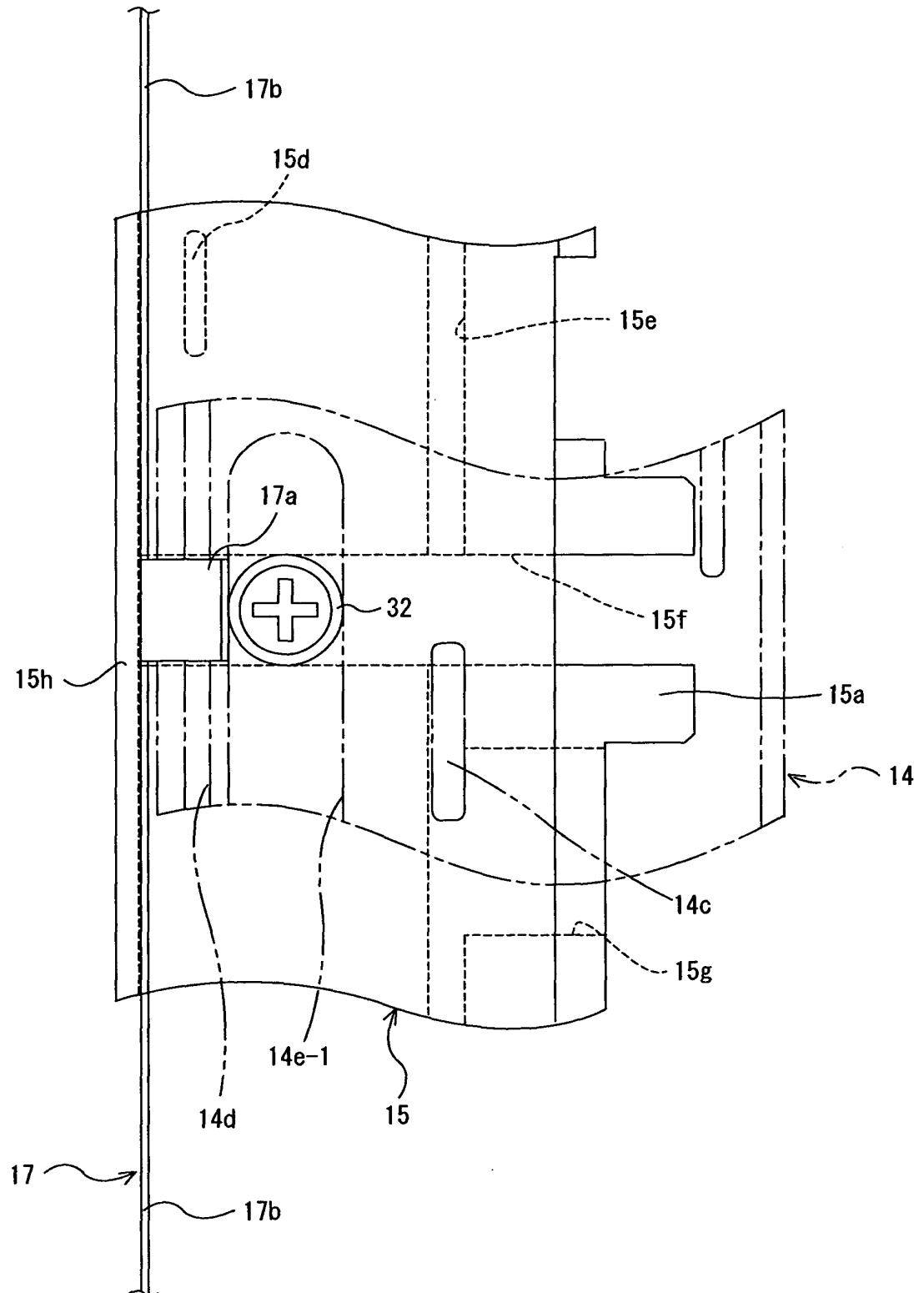


Fig. 72

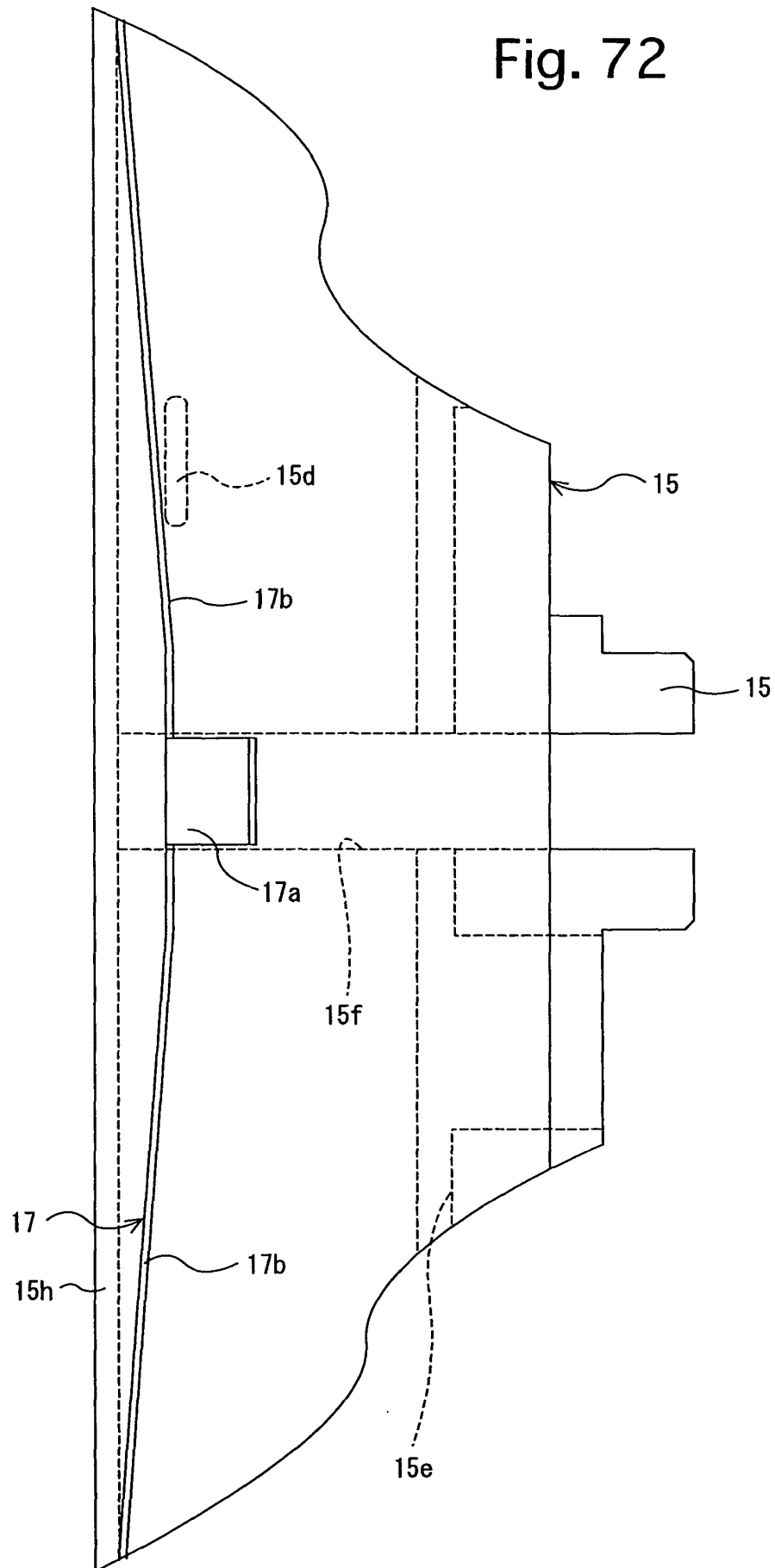
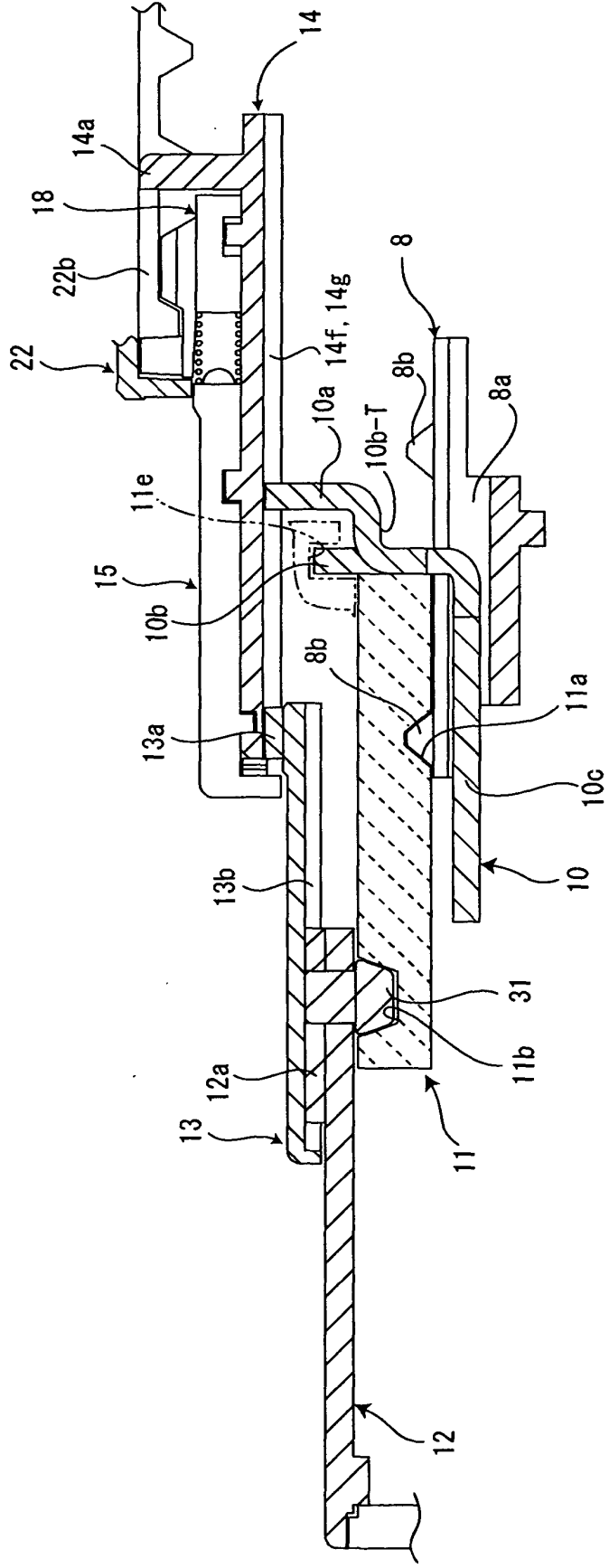


Fig. 73



A detailed cross-sectional diagram of a semiconductor device. The base layer is labeled 8, with regions 8a and 8b indicated. Above the base is a thick layer 11, which contains a patterned layer 12 and another patterned layer 13. Layer 13 has sub-regions 13a and 13b. Above layer 13 is a thin layer 12a, followed by a layer 8b. A central vertical stack includes a component 10, which has a top part 10a and a bottom part 10b-T. This stack is surrounded by a material 14f, 14g. To the left of the central stack is a complex assembly including a layer 15, a component 10b, and a structure 13a. On the right side, there are layers 10c and 11e, with a small feature 11b. At the very top, there is a layer 14 with a sub-region 14a, and a final layer 22 with a sub-region 22b. Various other labels like 18, 32, and 31 point to specific interfaces or features.

Fig. 75

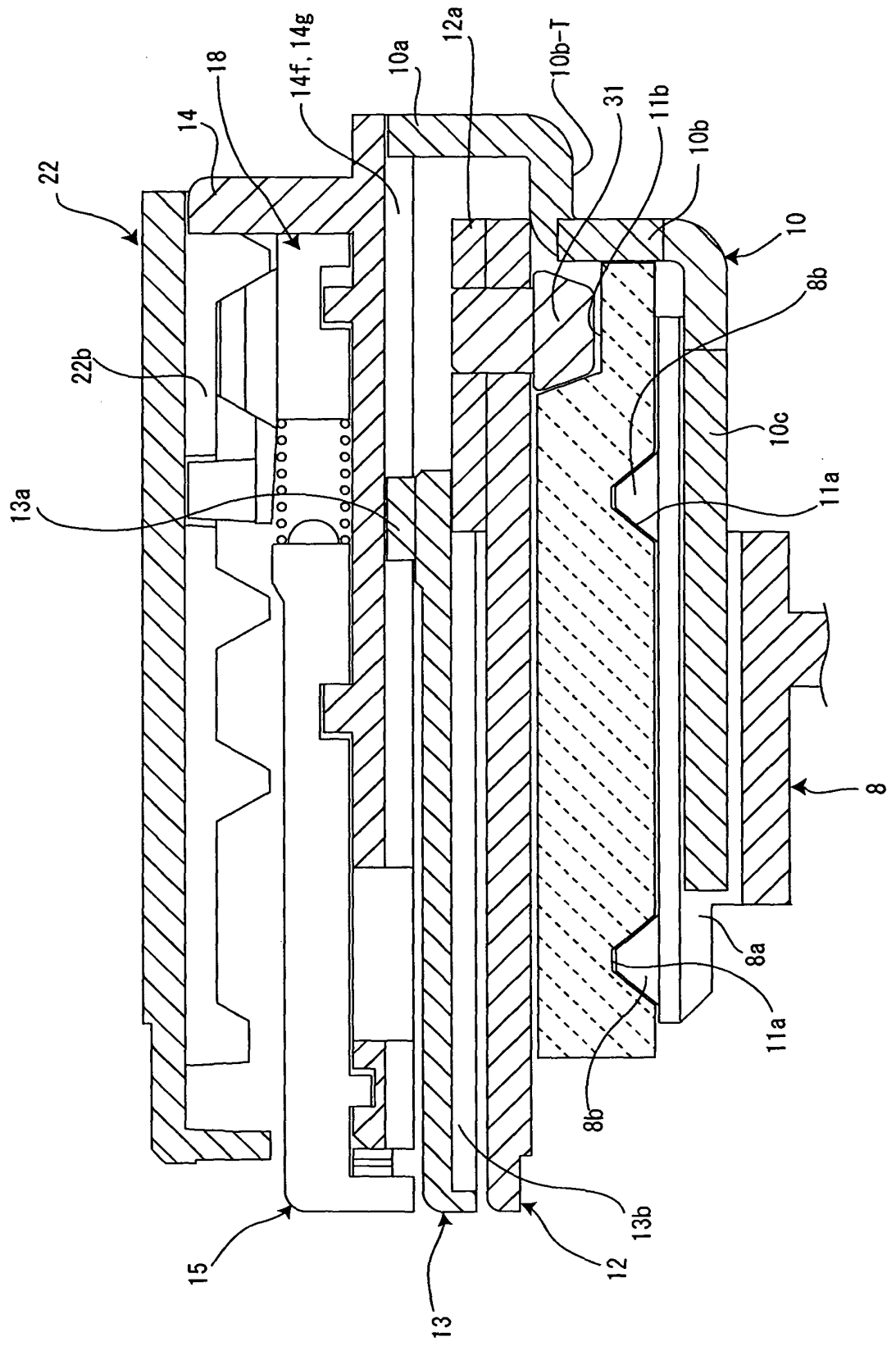


Fig. 76

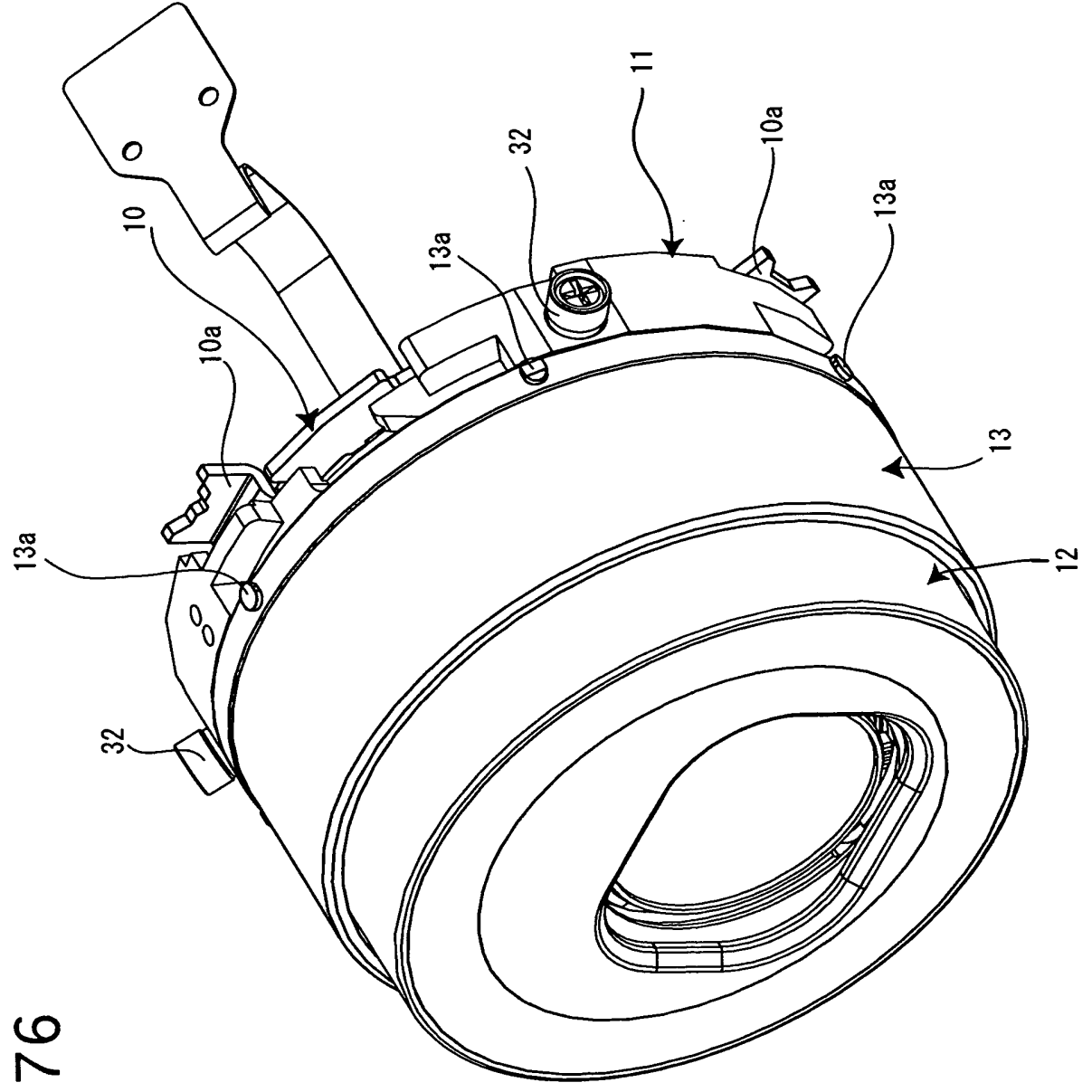


Fig. 77

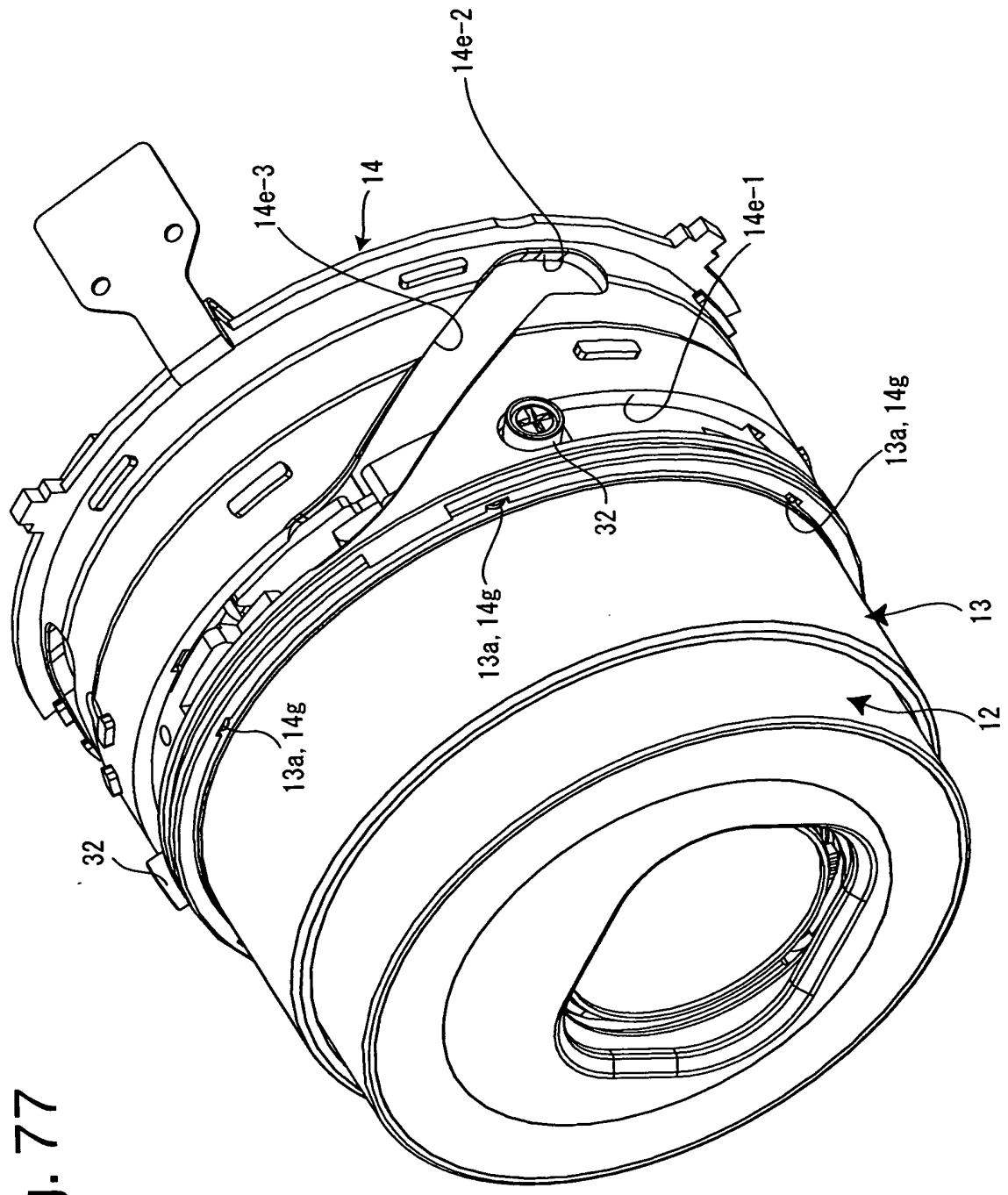


Fig. 78

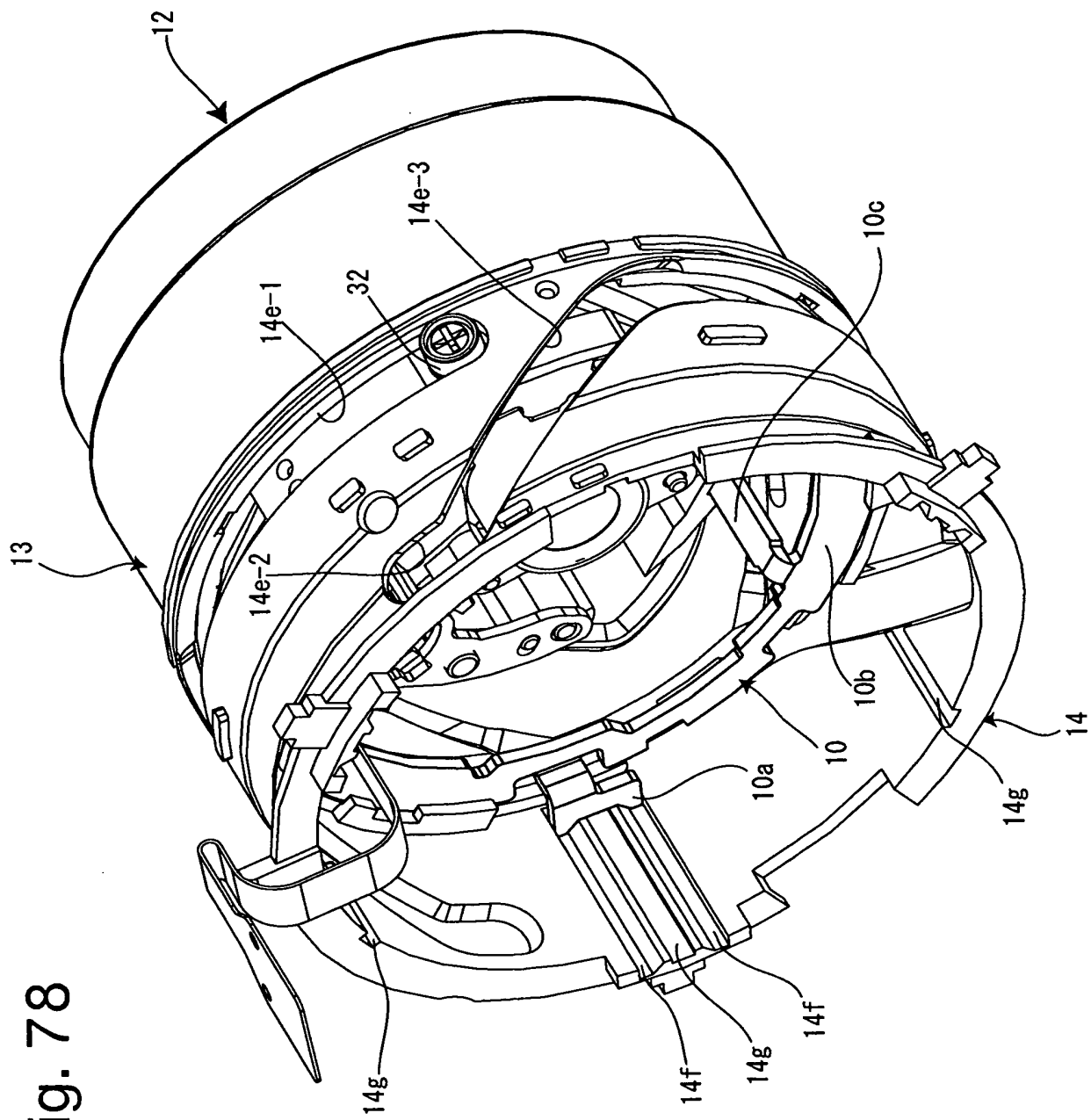


Fig . 79

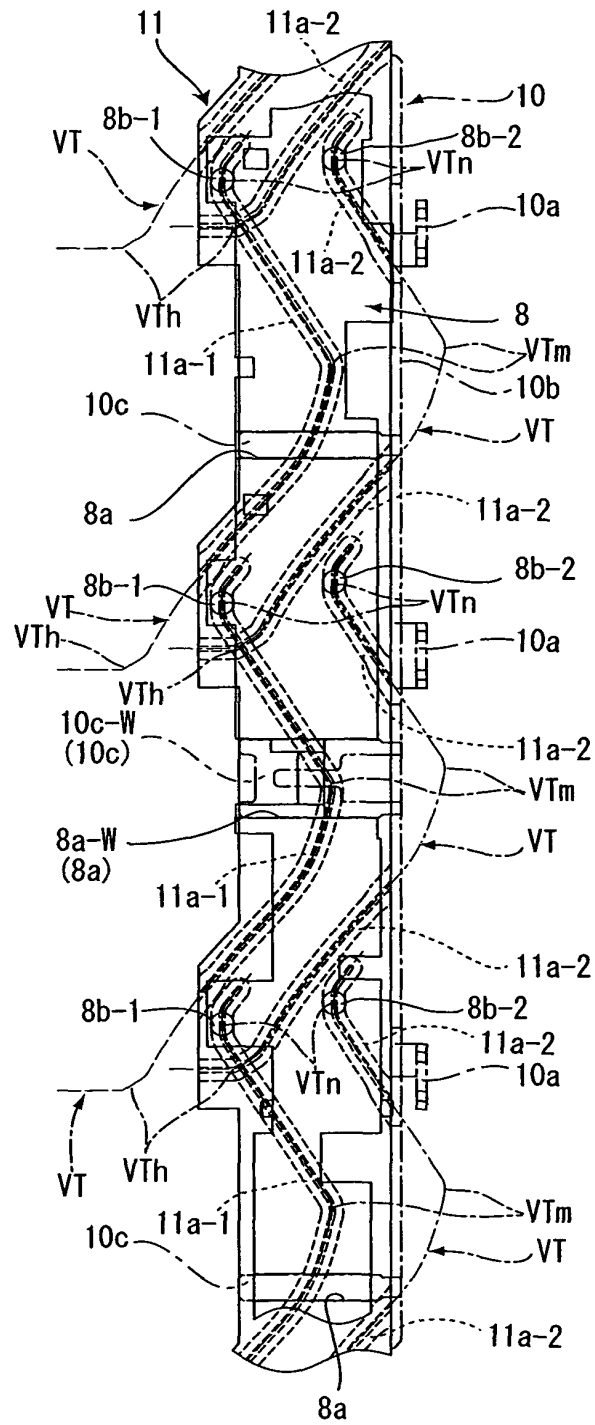
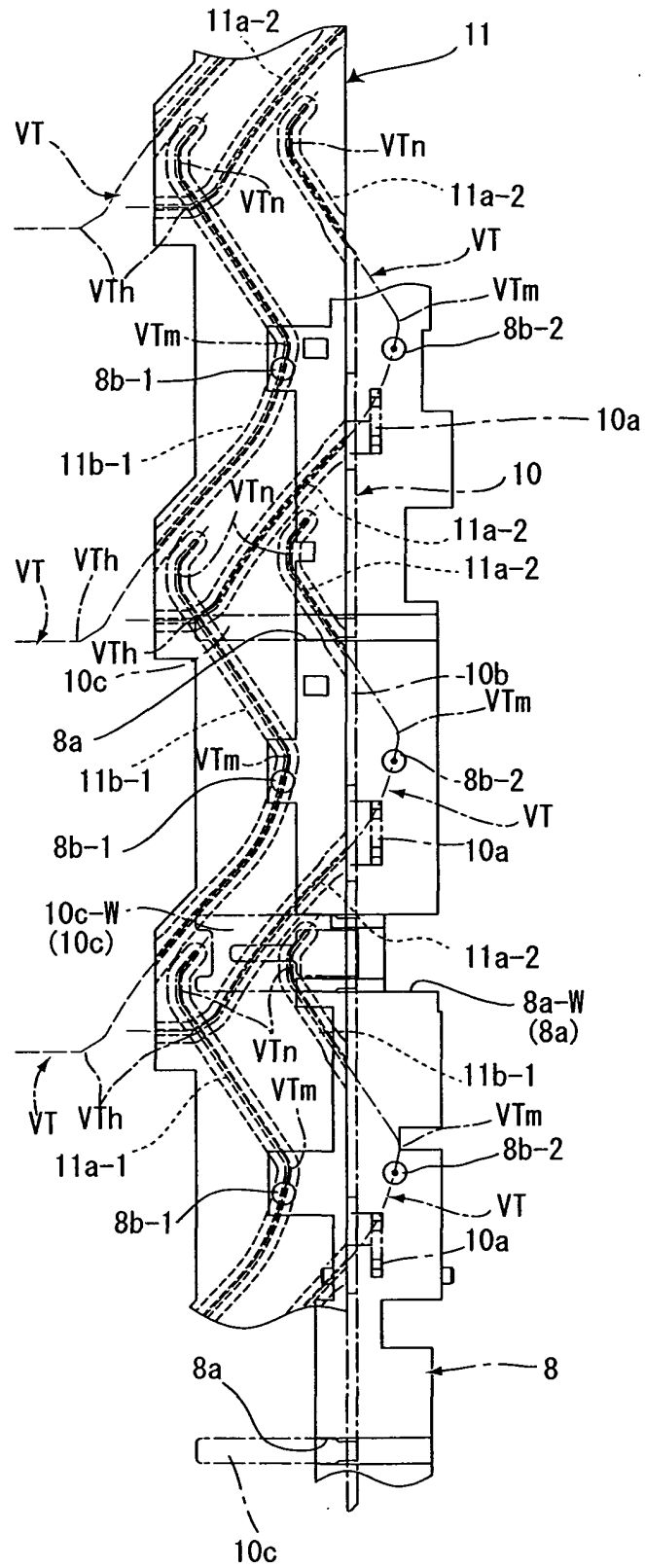


Fig . 80



[illegible]

Fig . 82

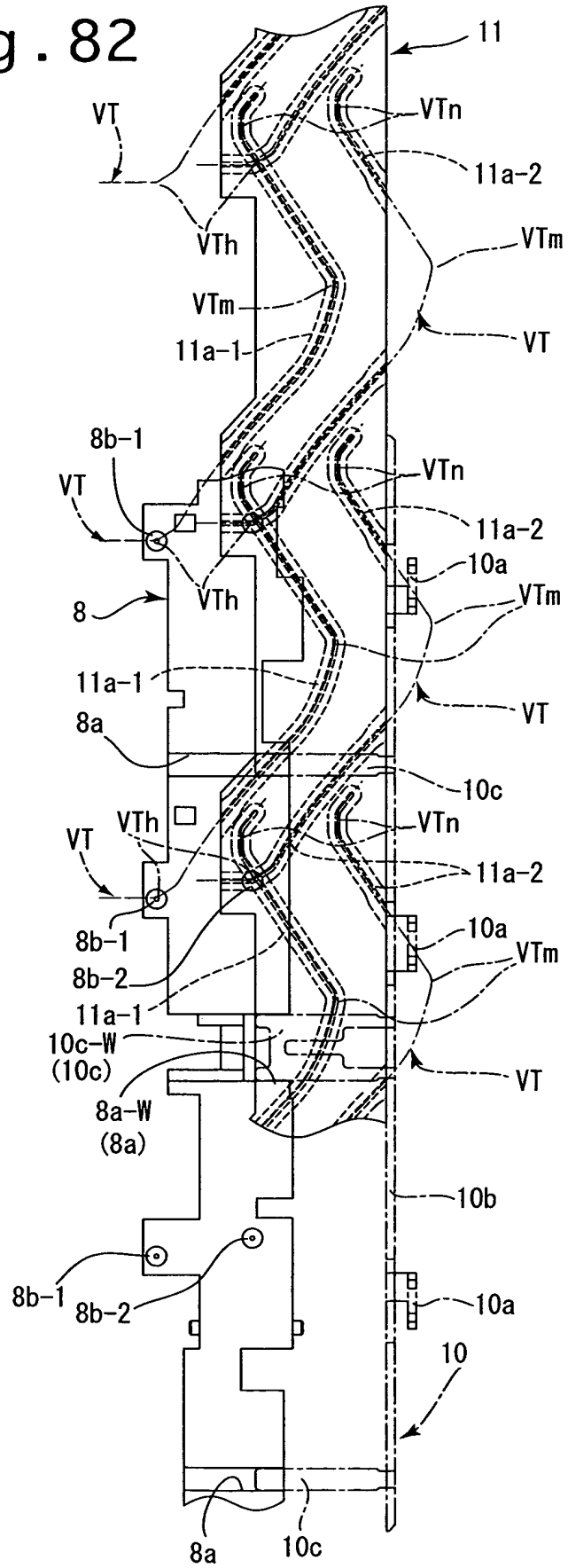
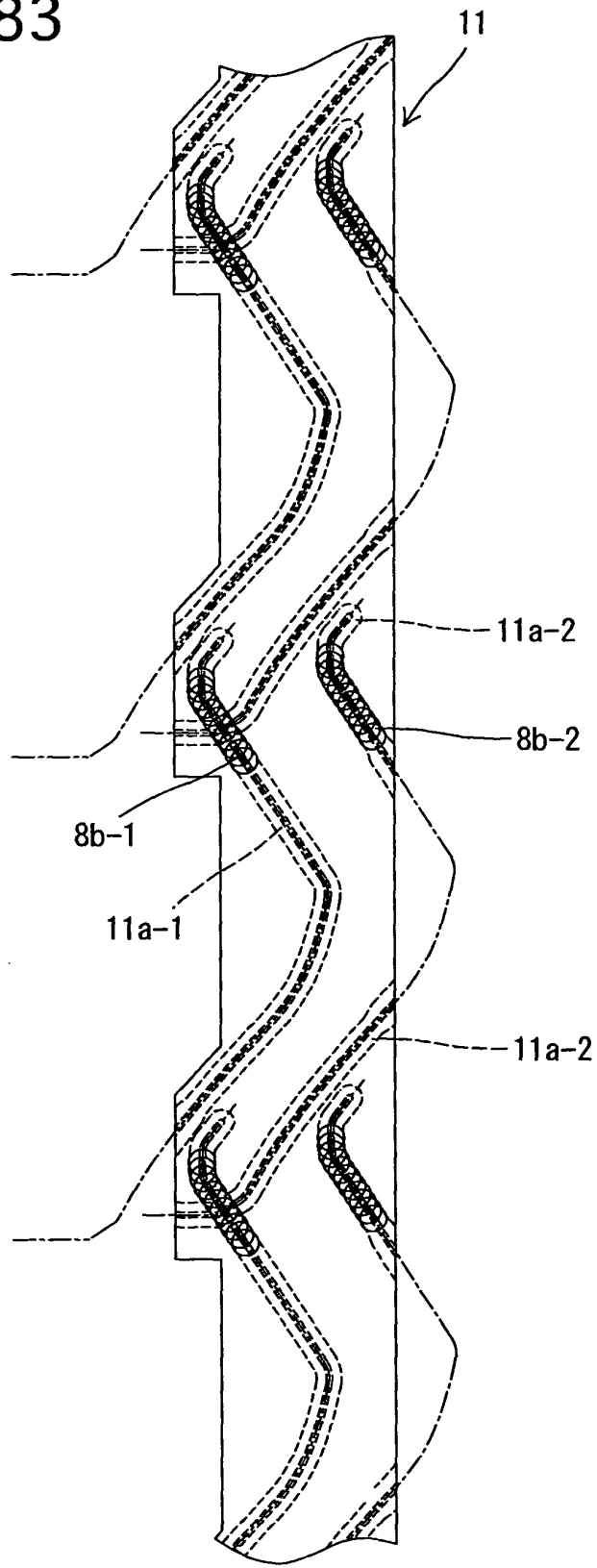


Fig. 83



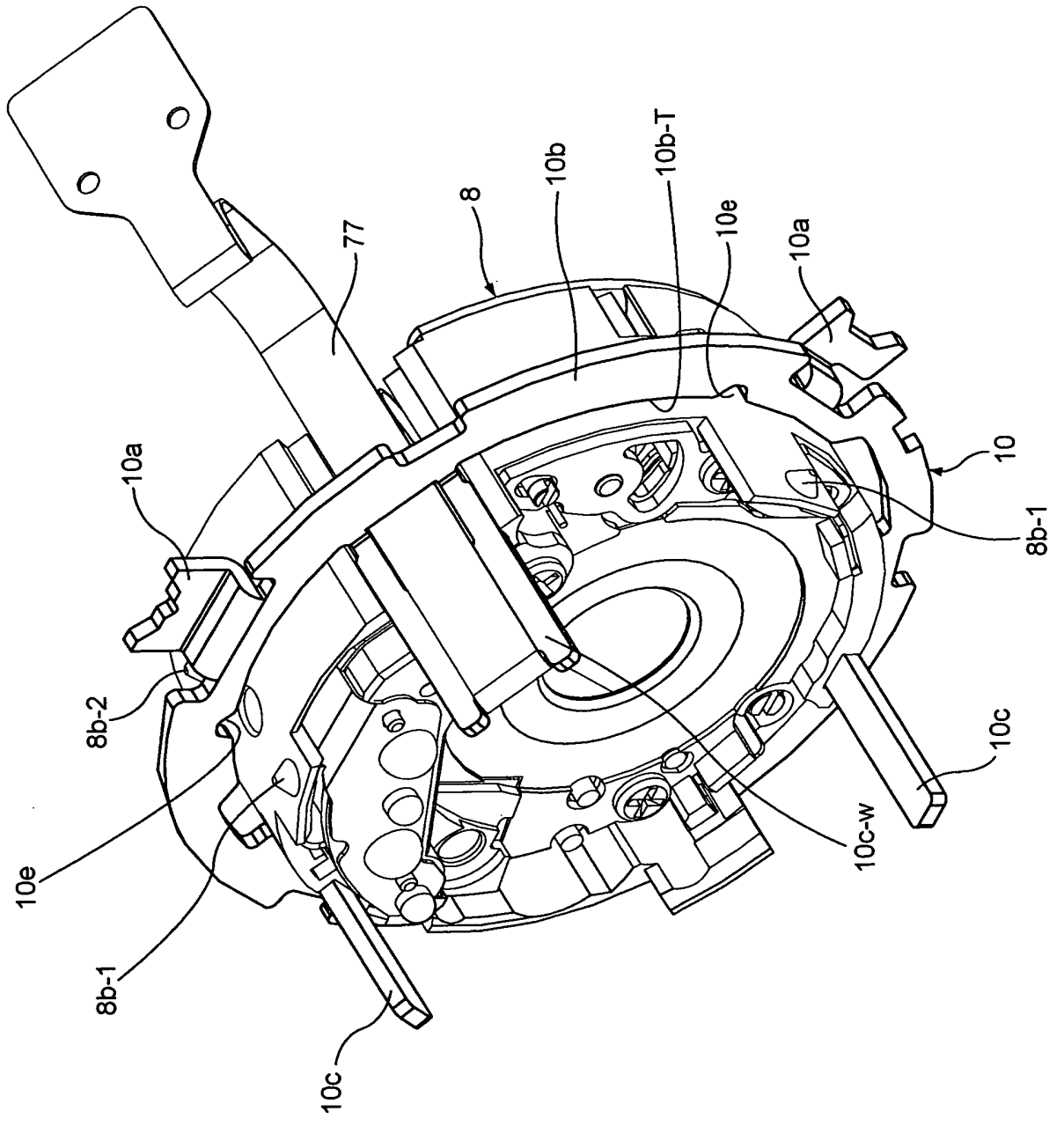


Fig. 84

Fig. 85

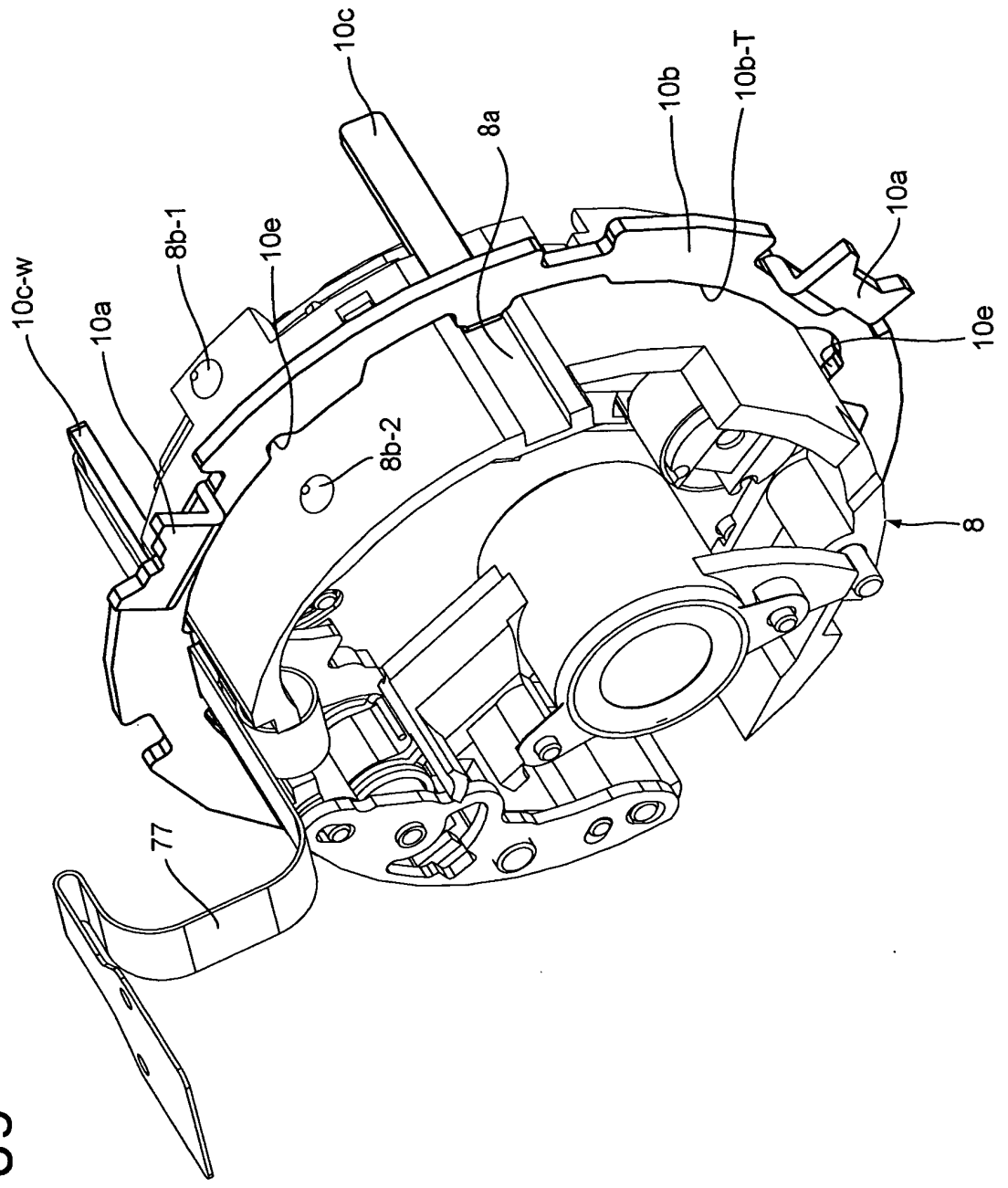


Fig. 86

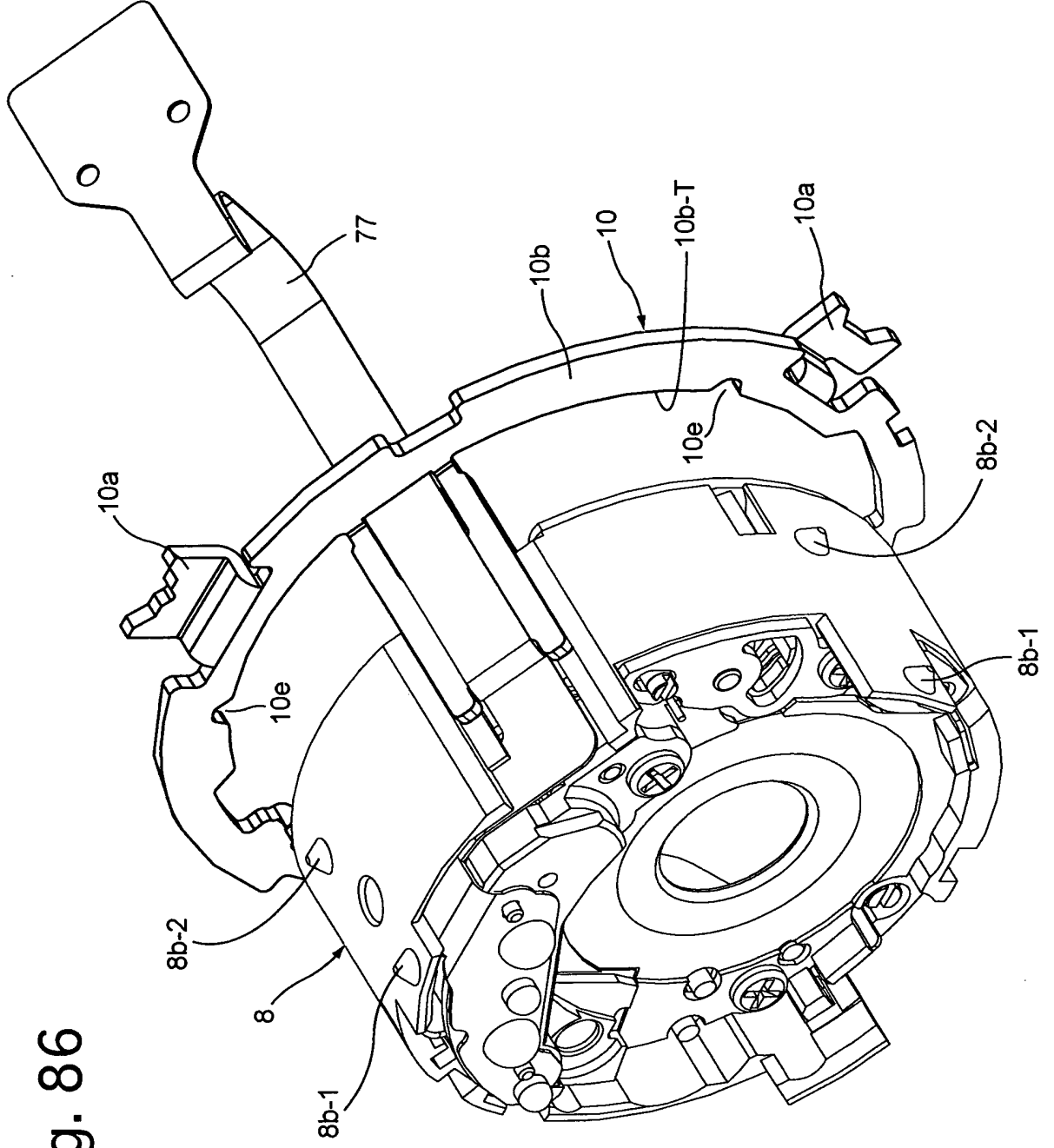


Fig. 87

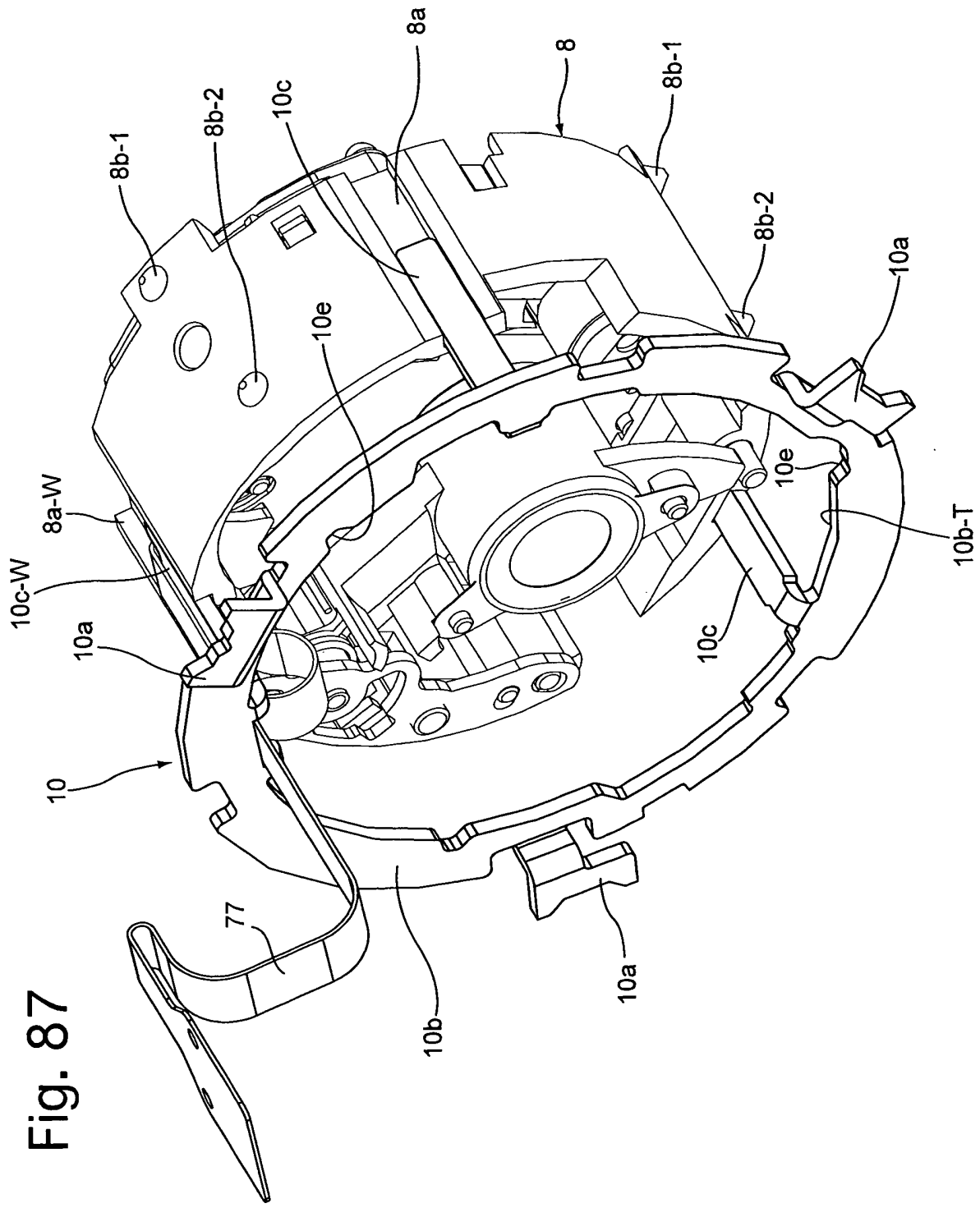


Fig. 88

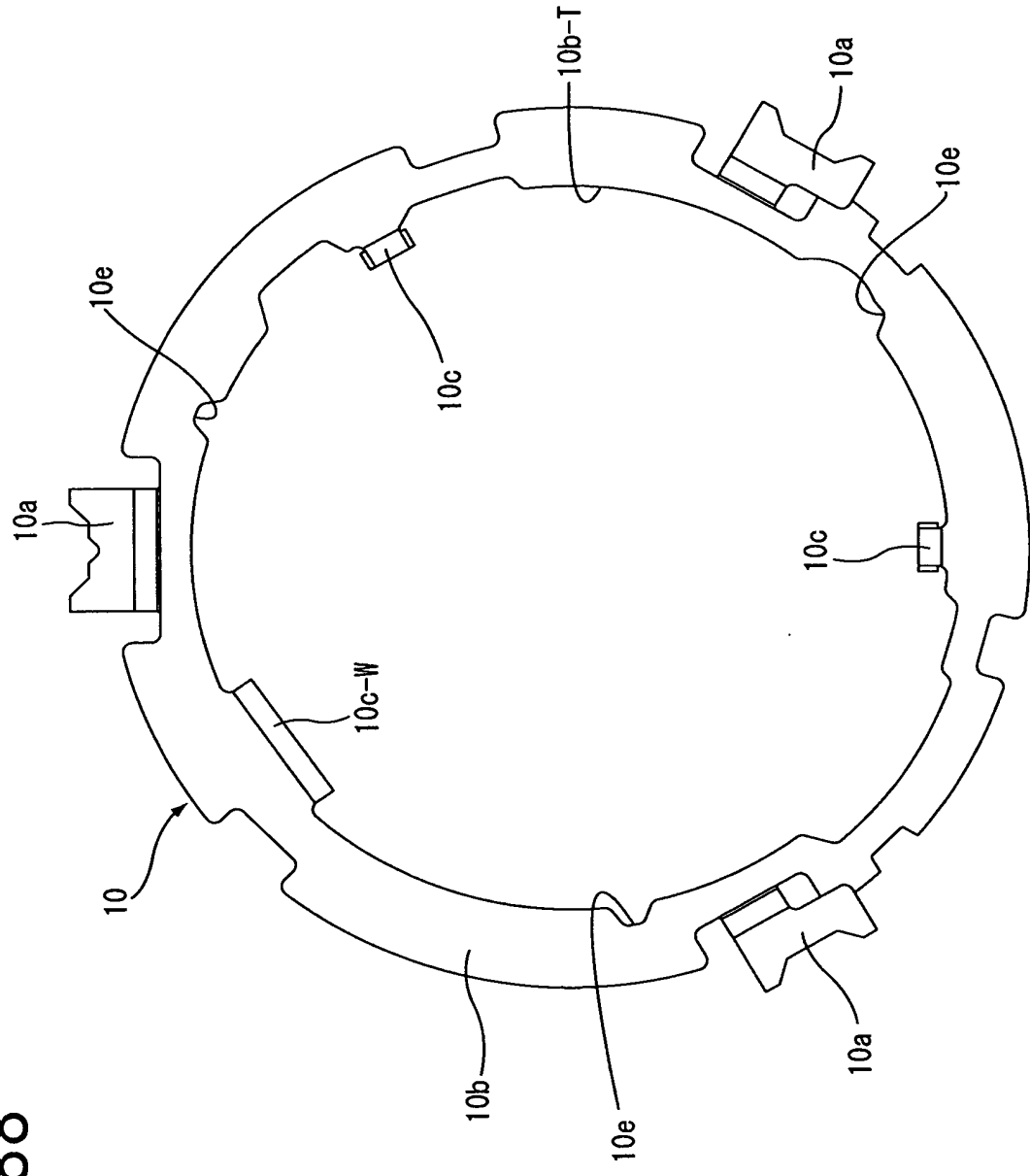


Fig. 89

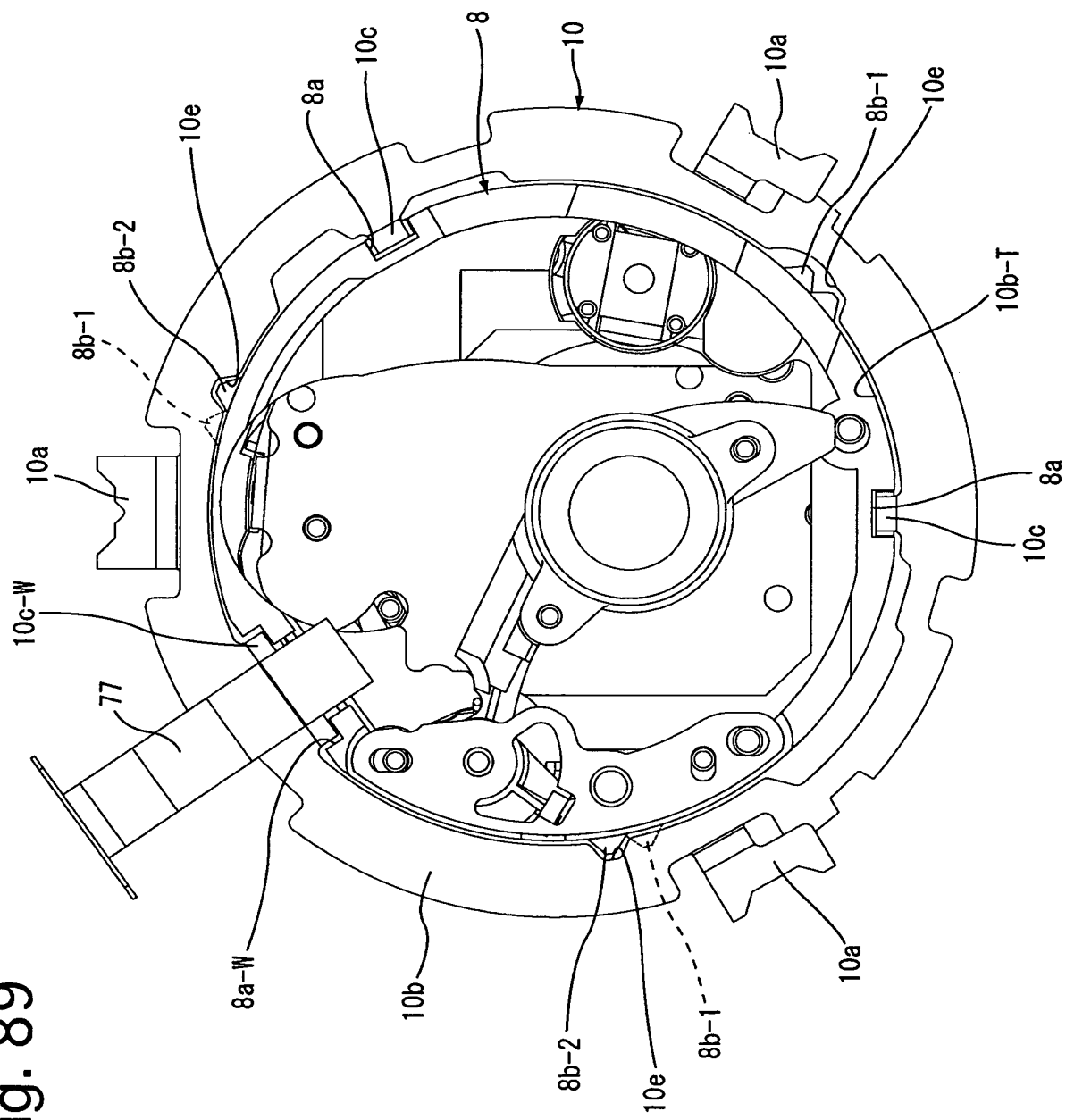


Fig. 90

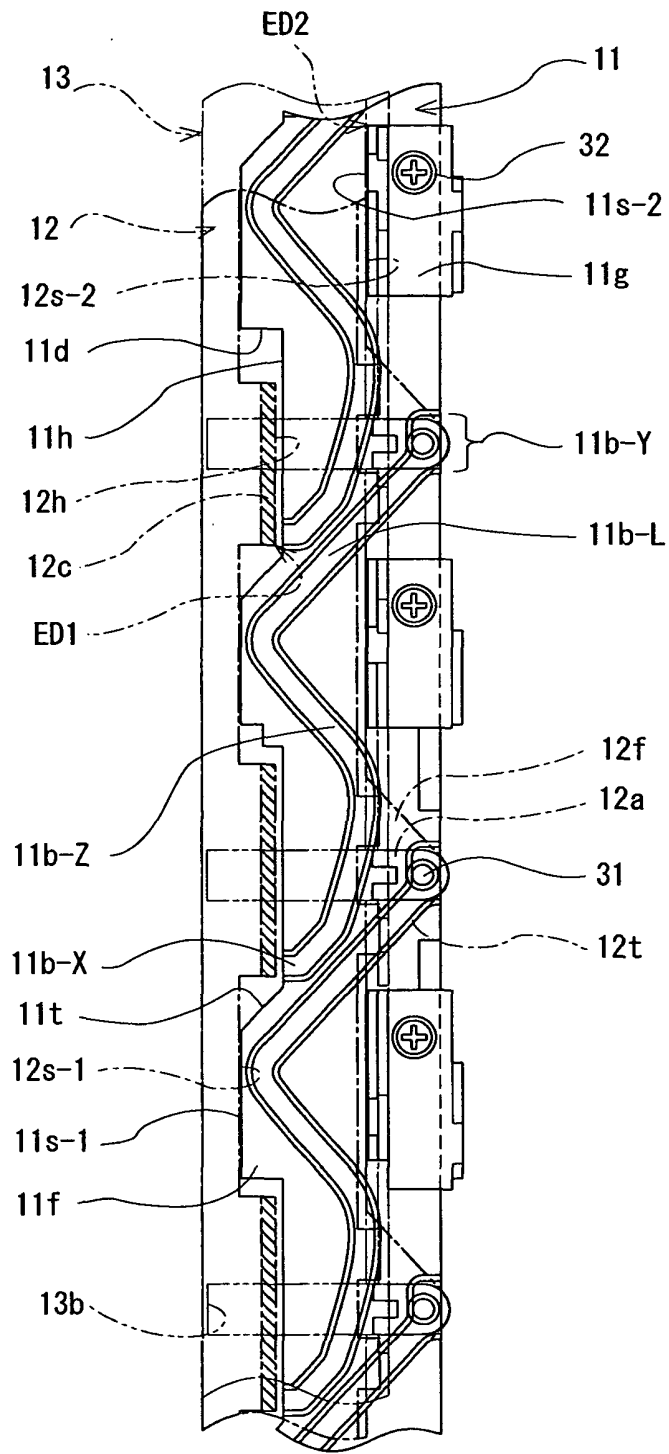


Fig. 91

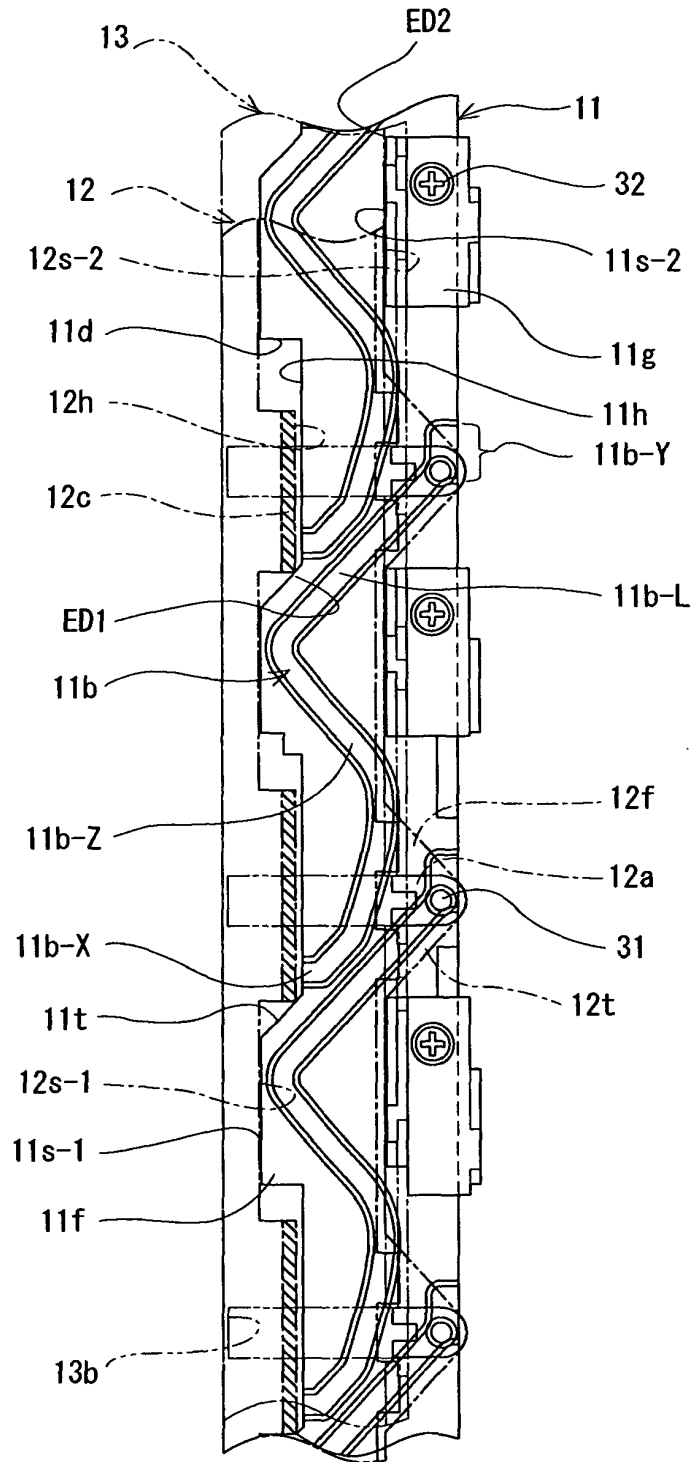


Fig. 92

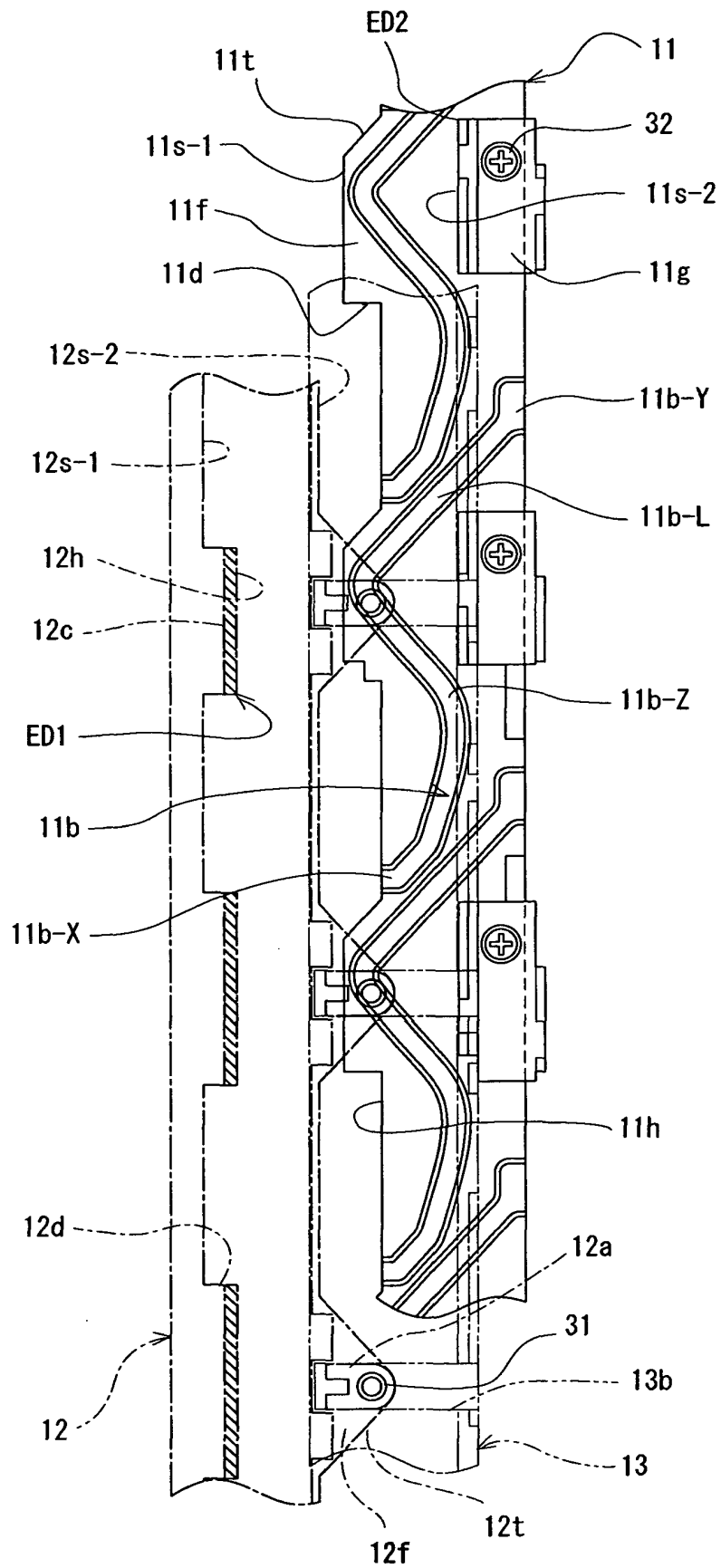


Fig. 93

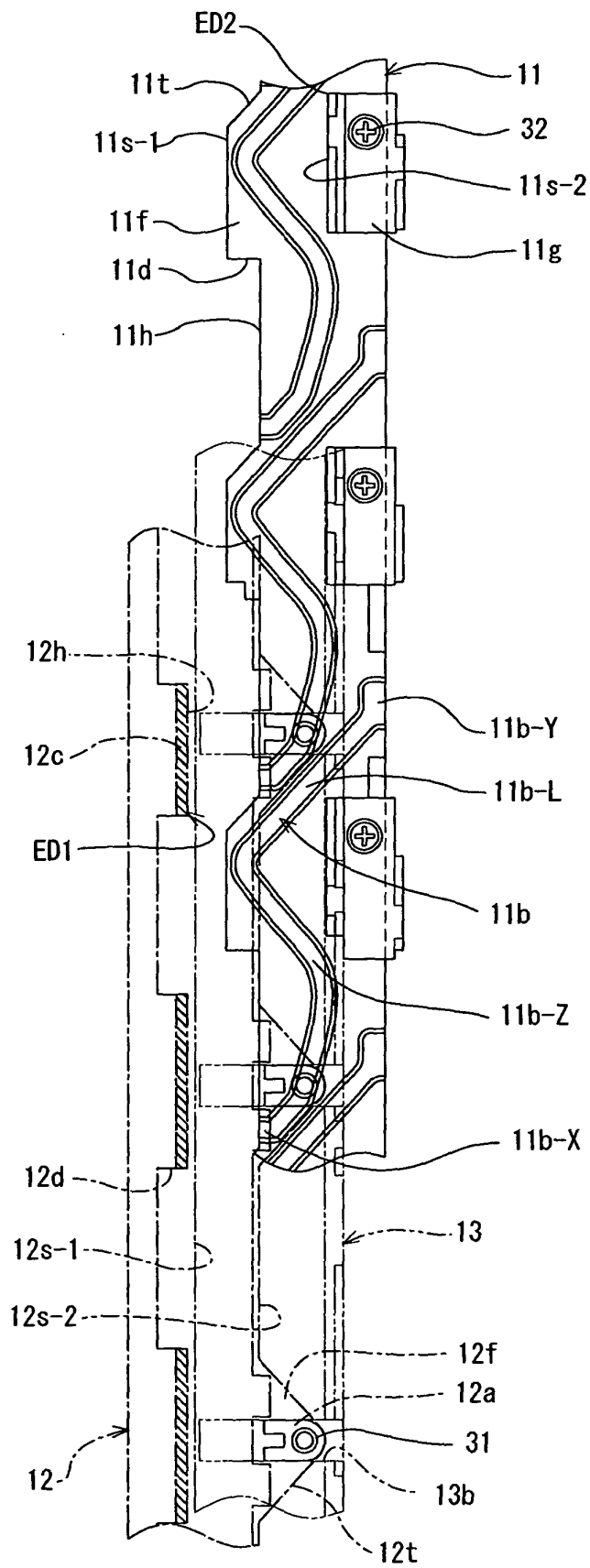


Fig. 94

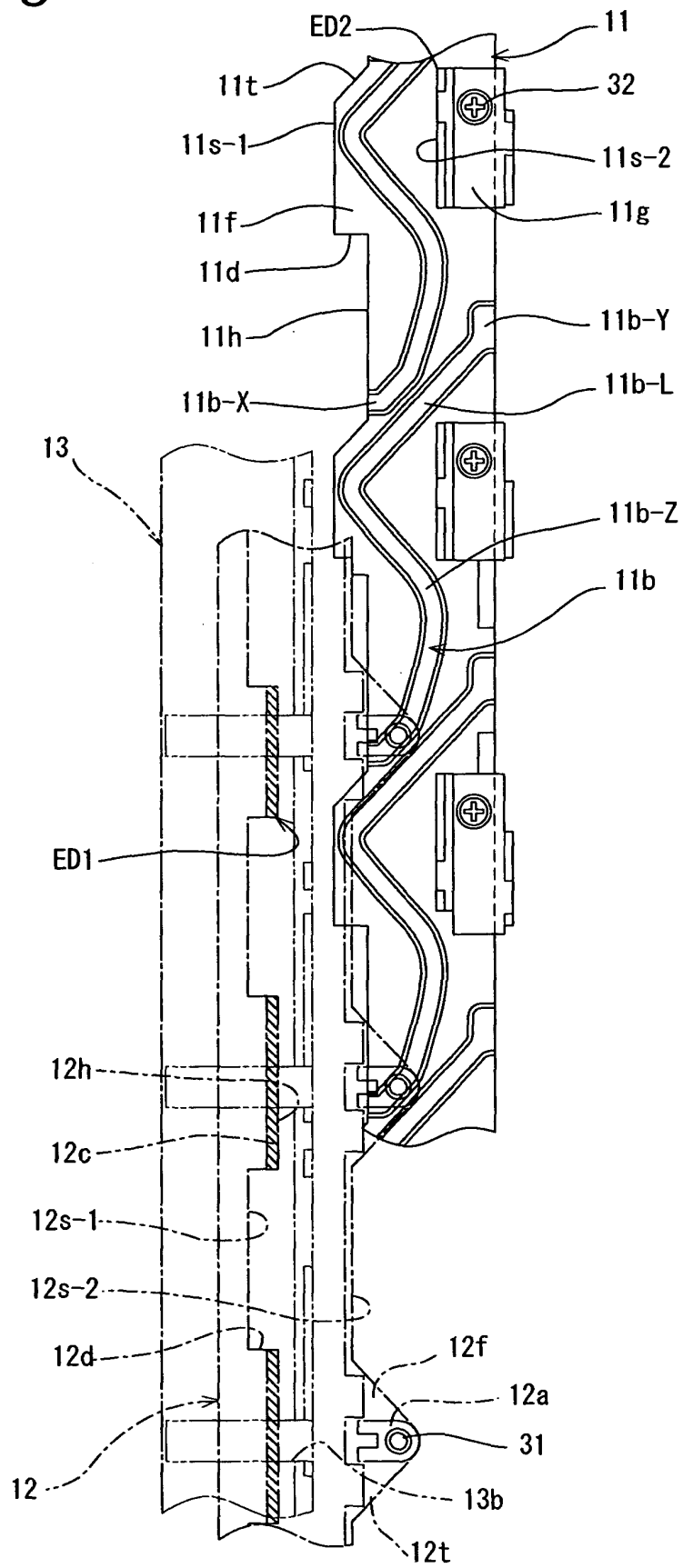


Fig. 95

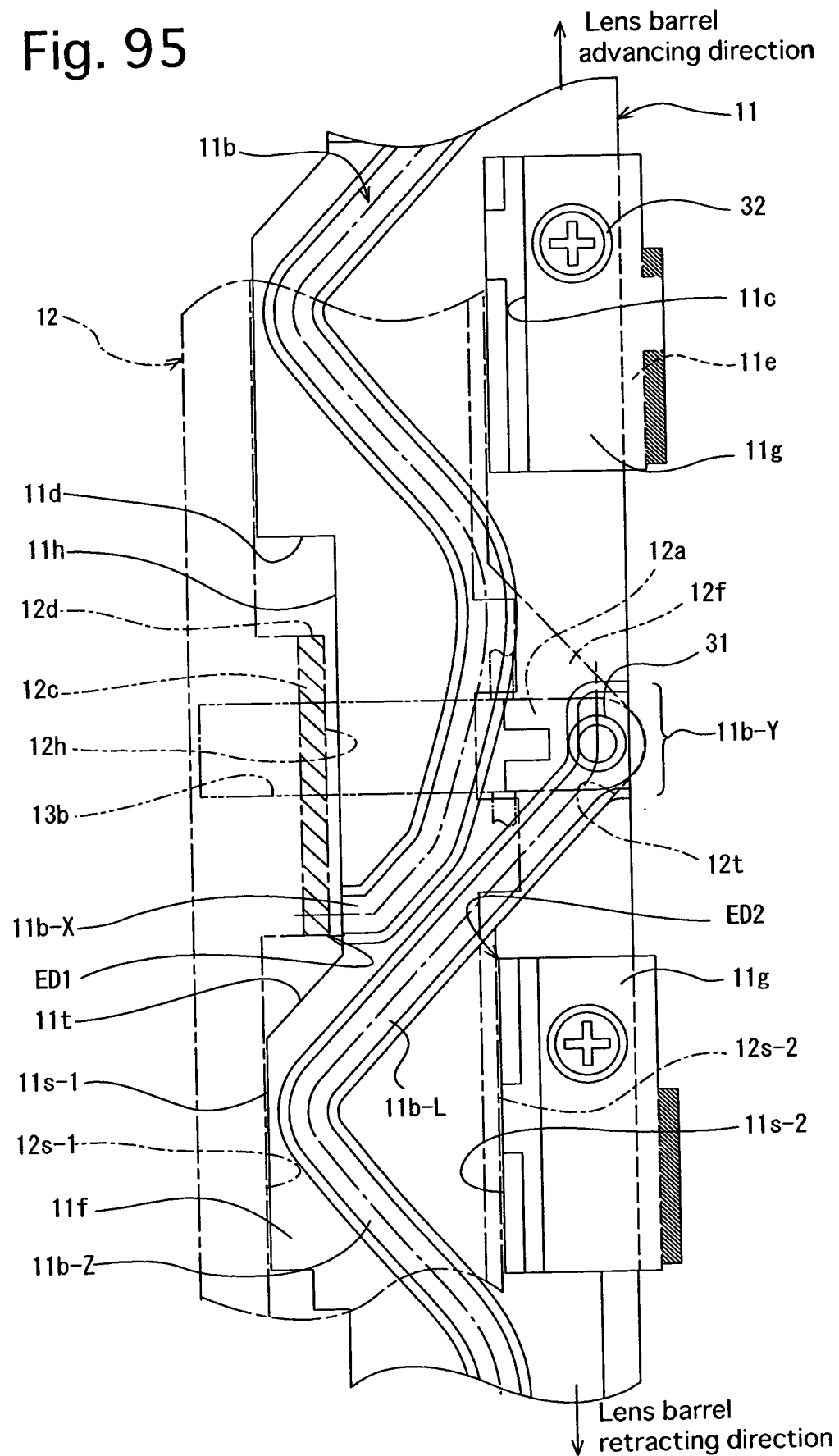


Fig. 96

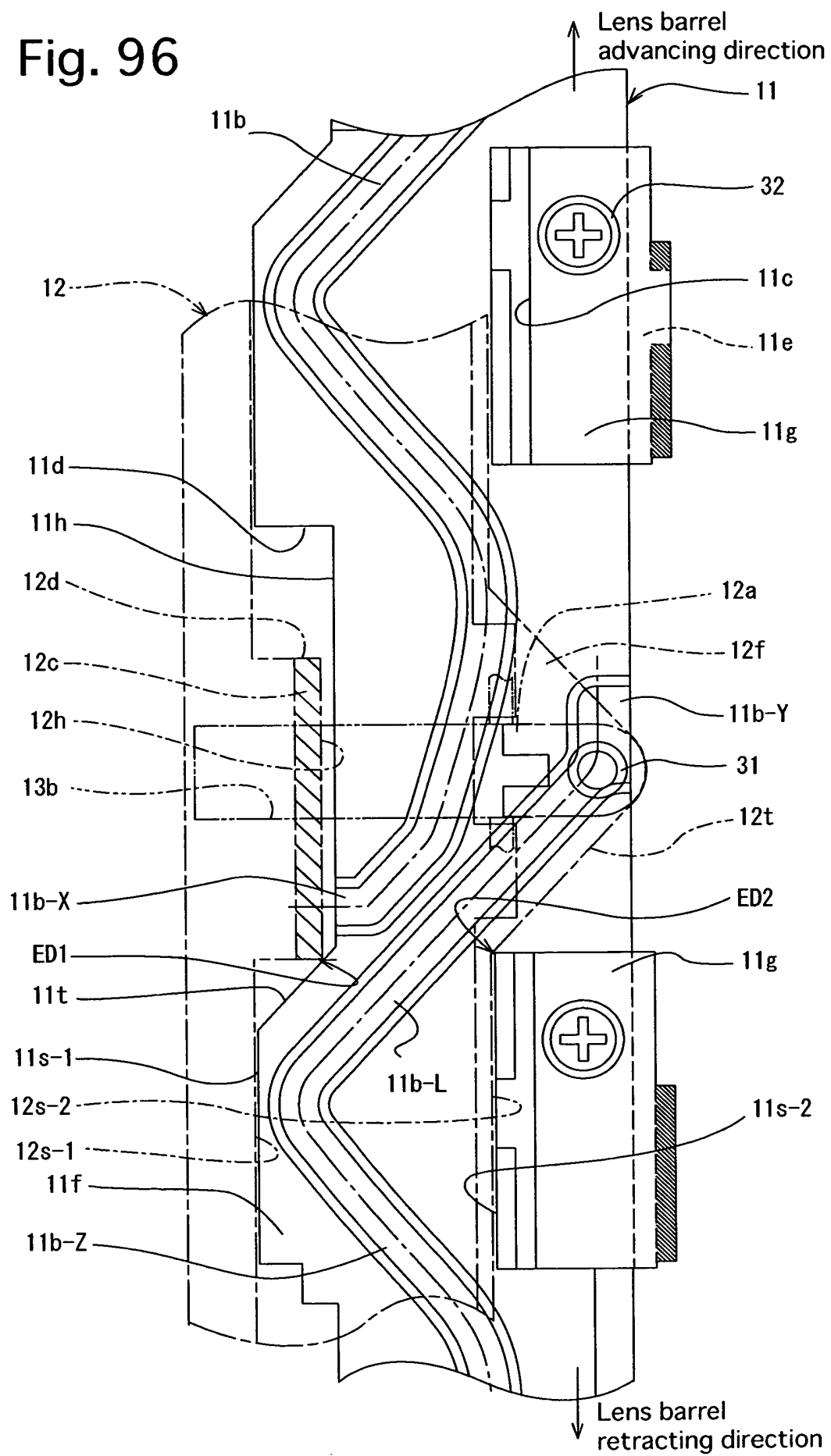


Fig. 97

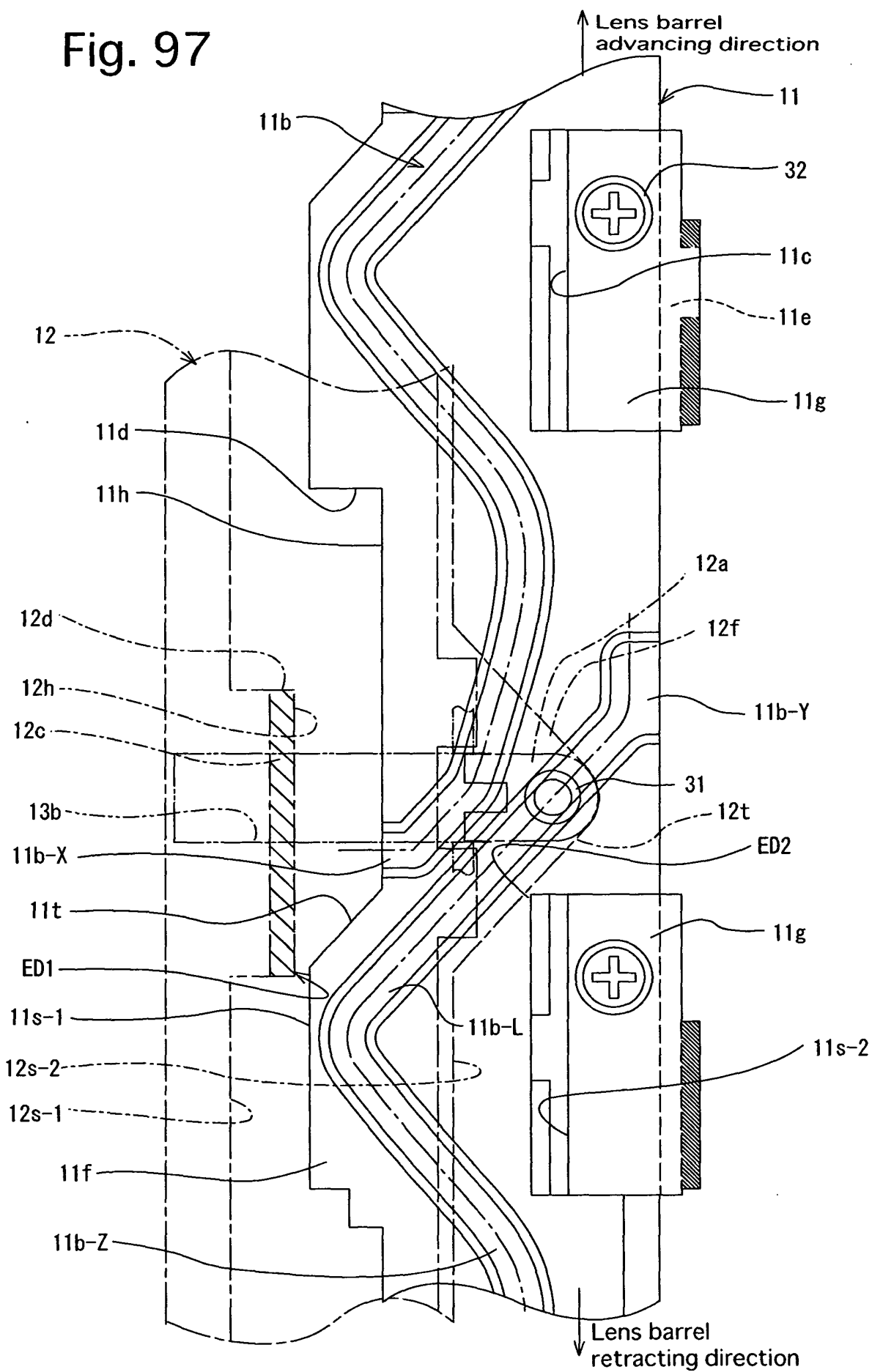


Fig. 98

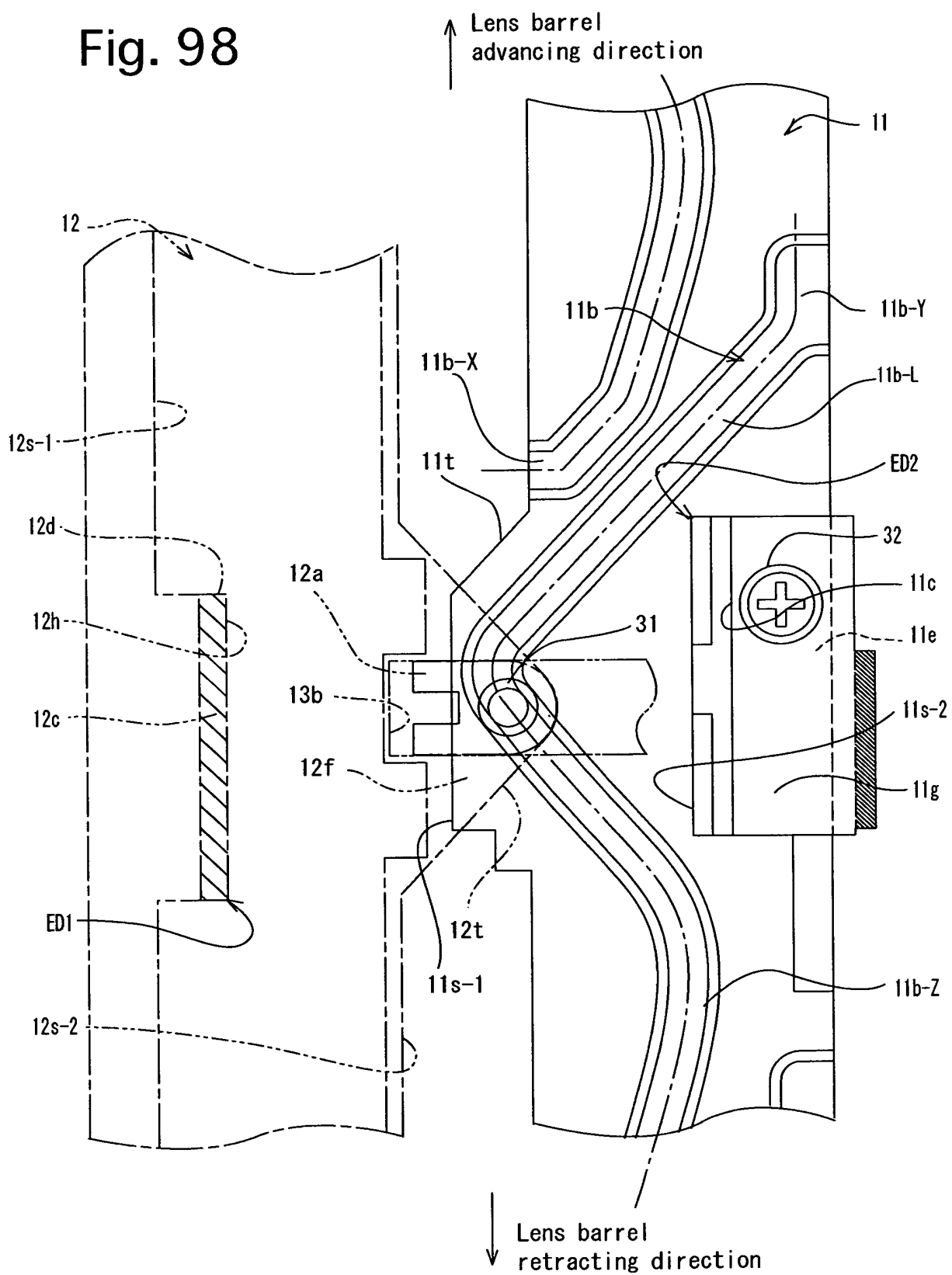


Fig. 99

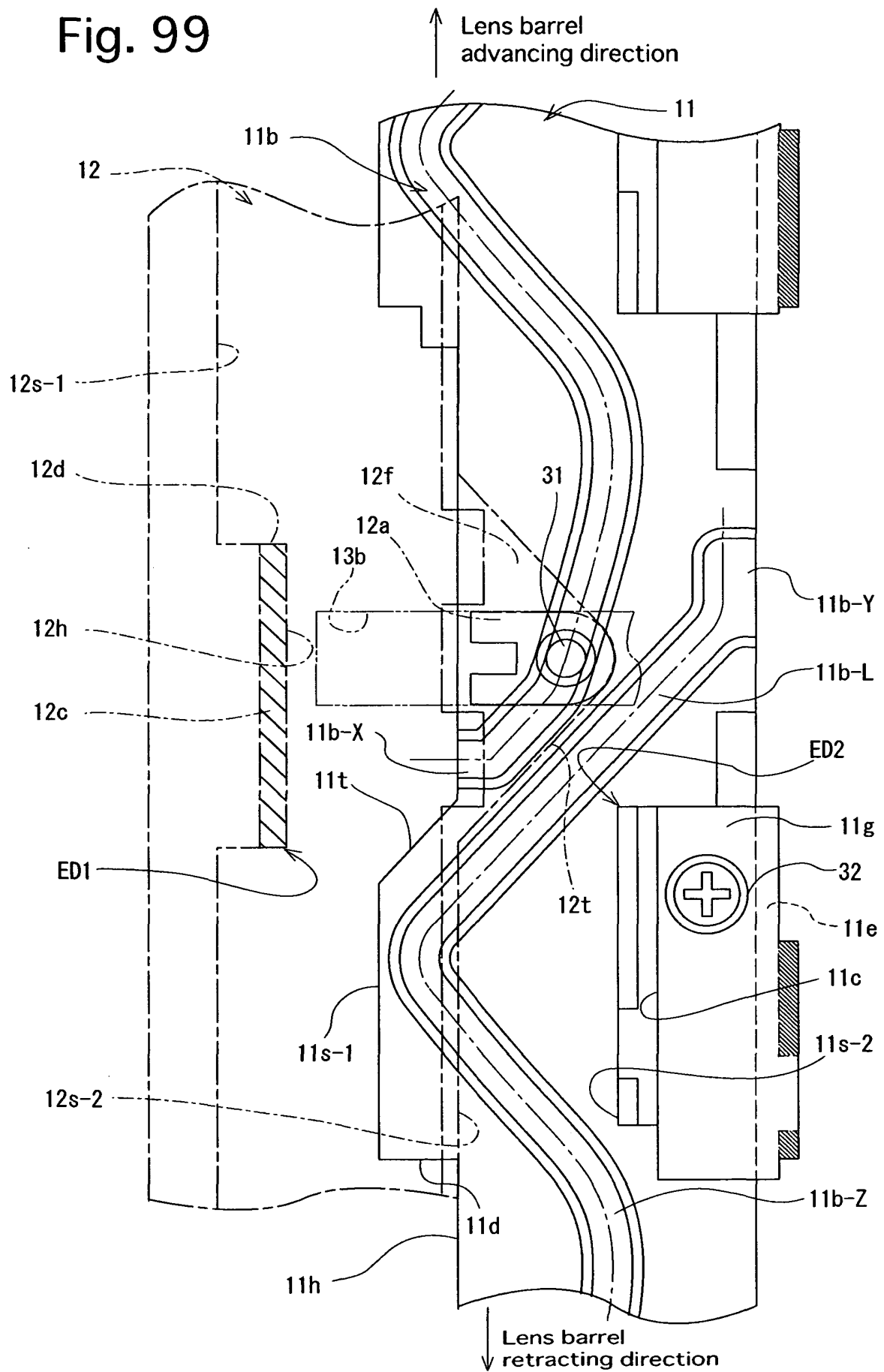


Fig. 100

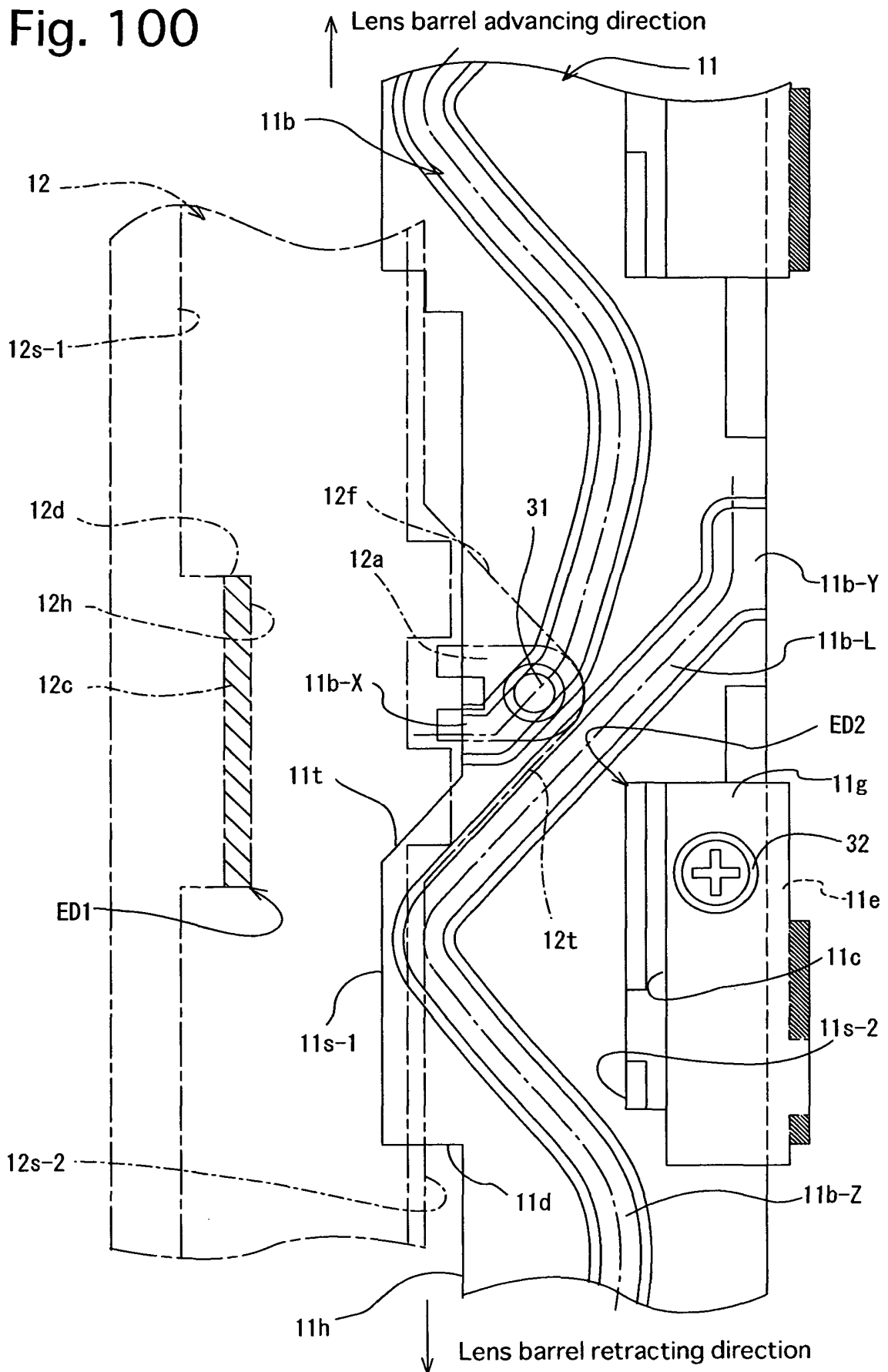


Fig. 101

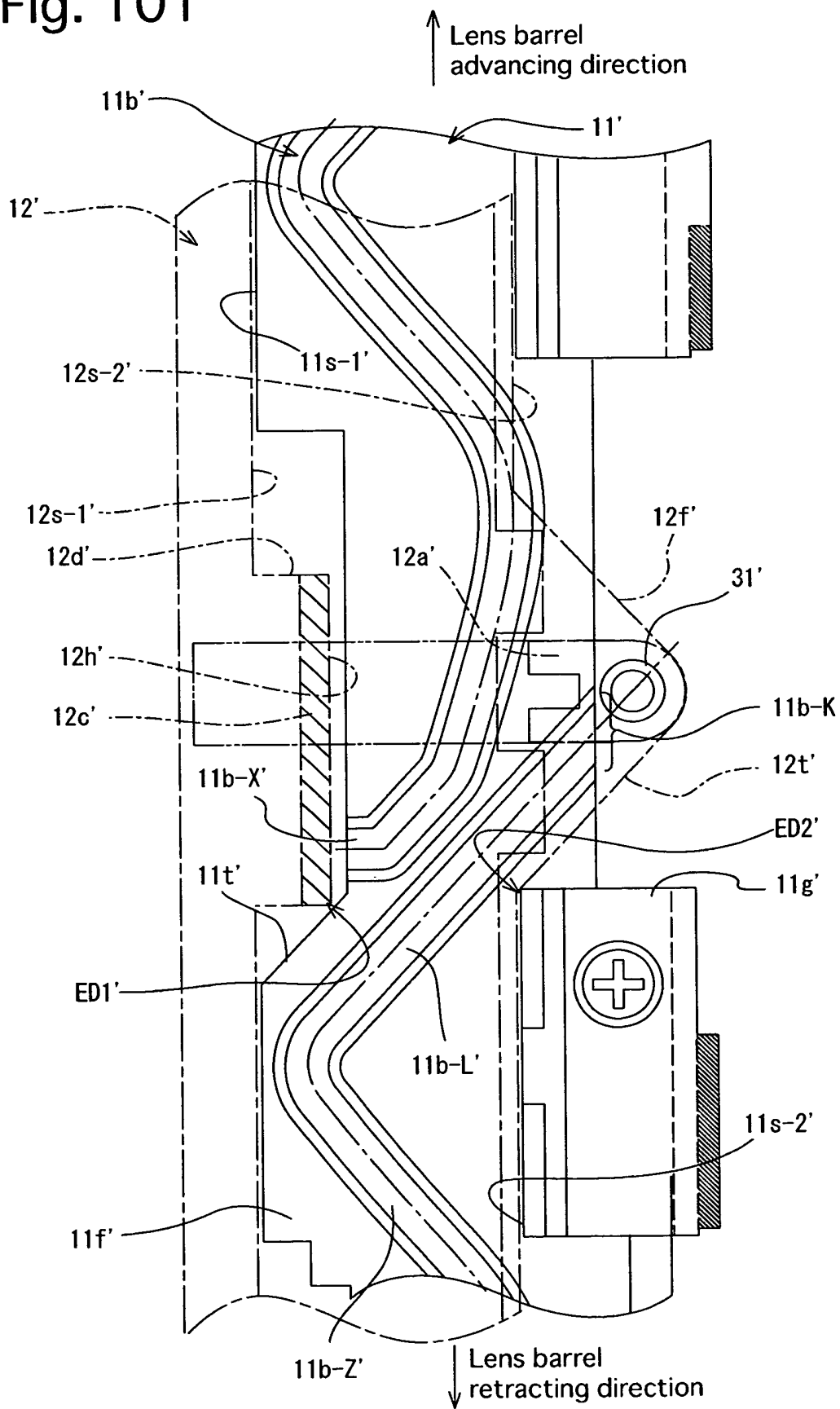
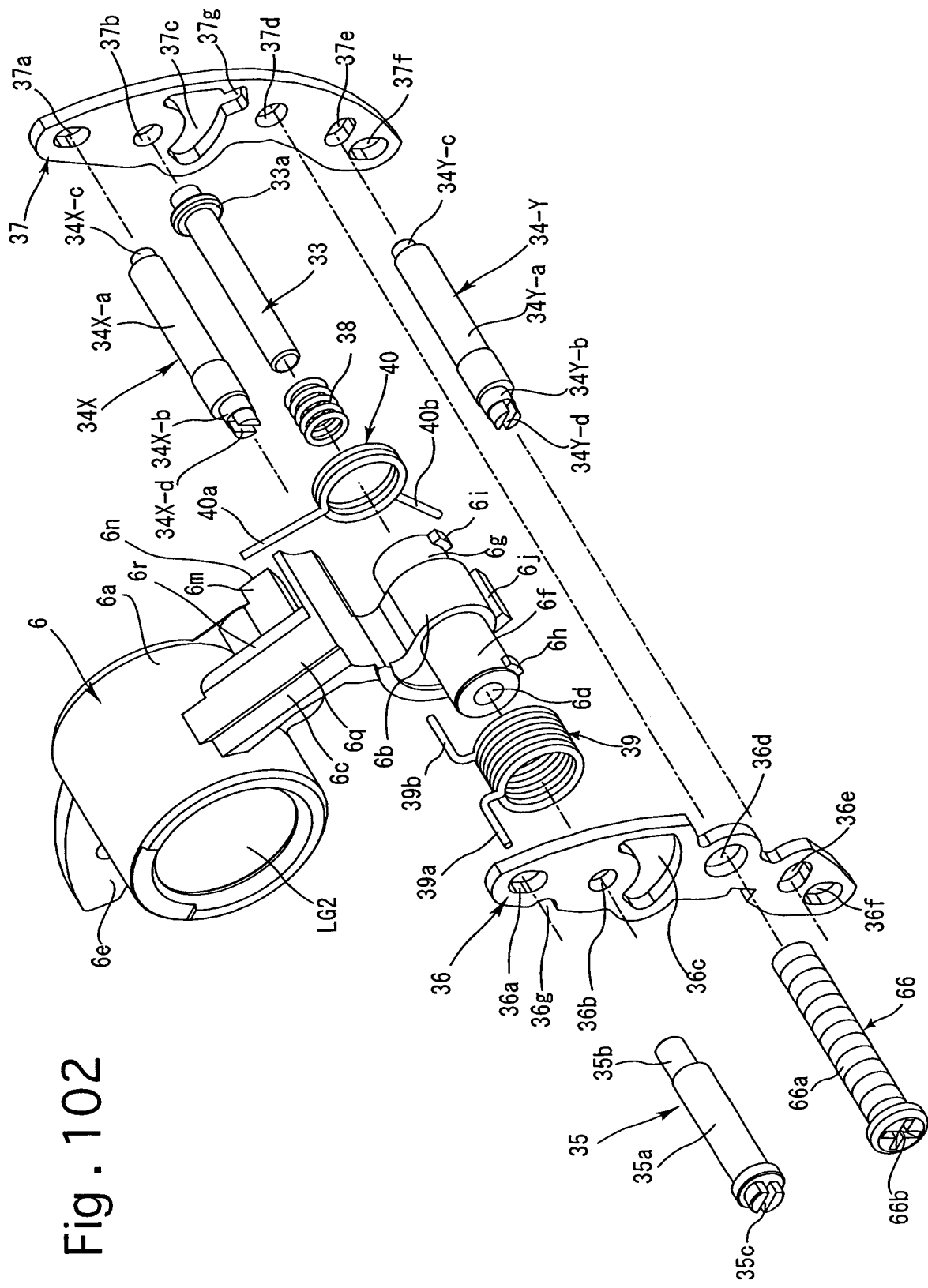


Fig. 102



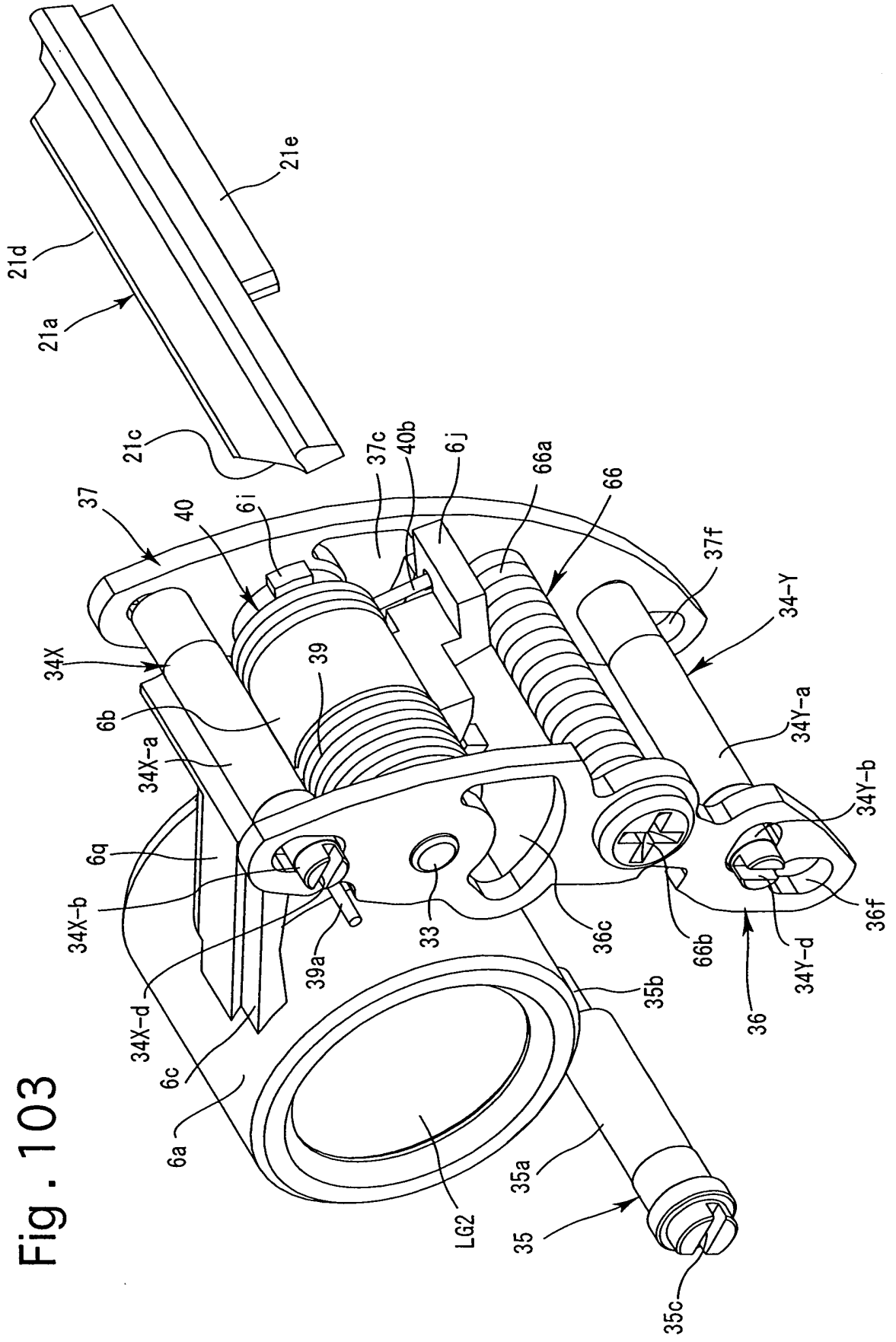
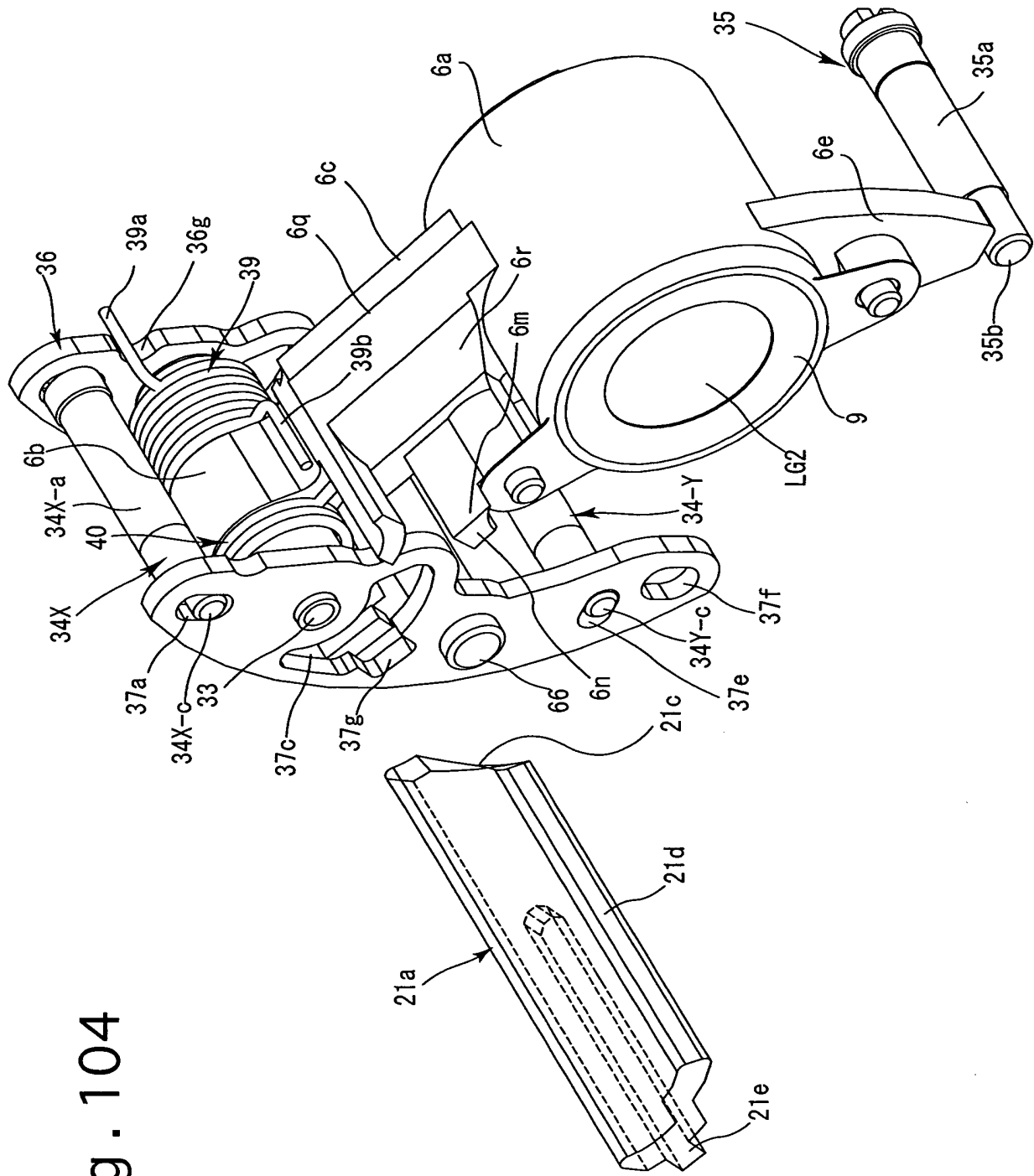


Fig. 103



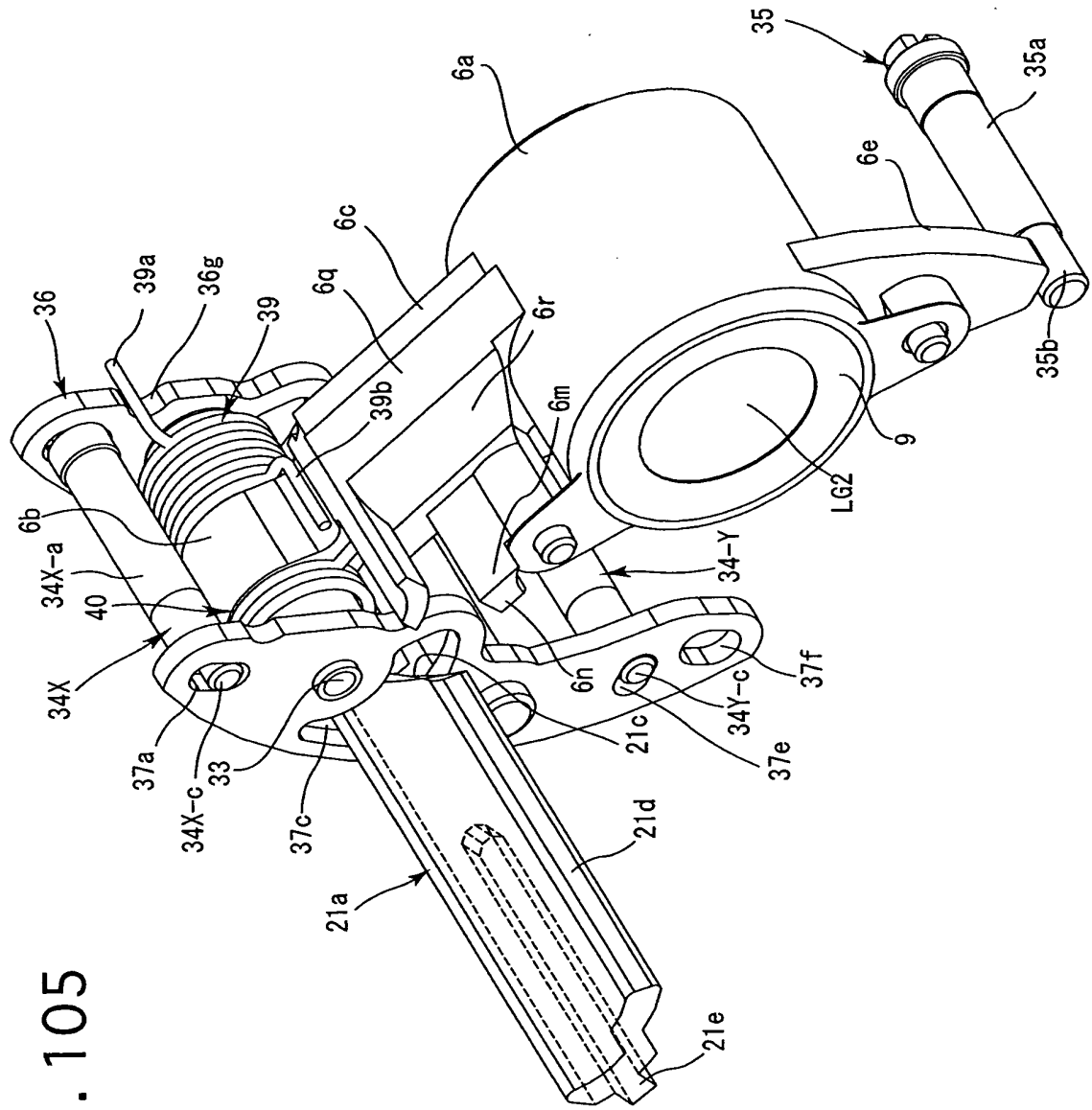


Fig. 106

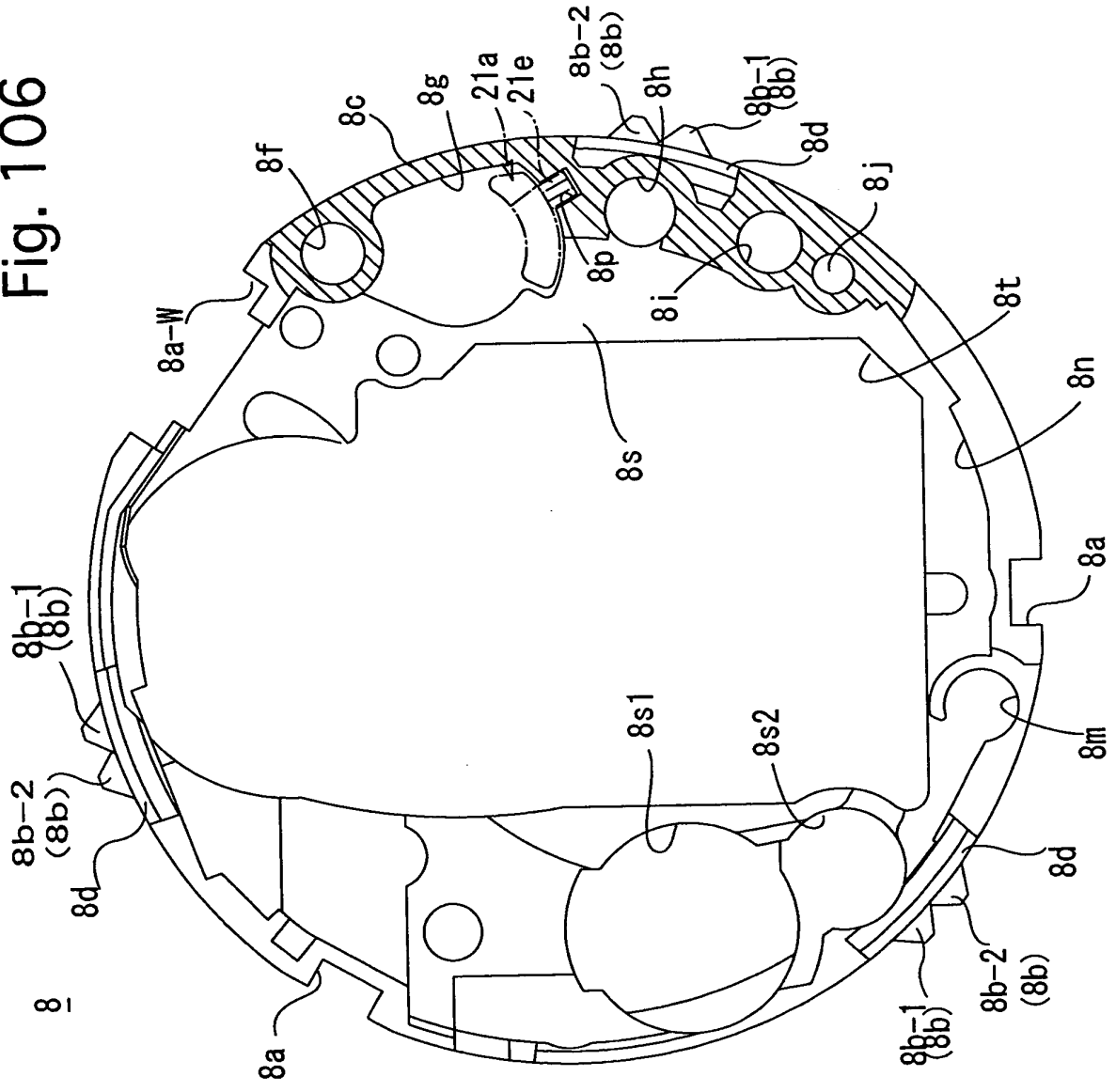


Fig. 107

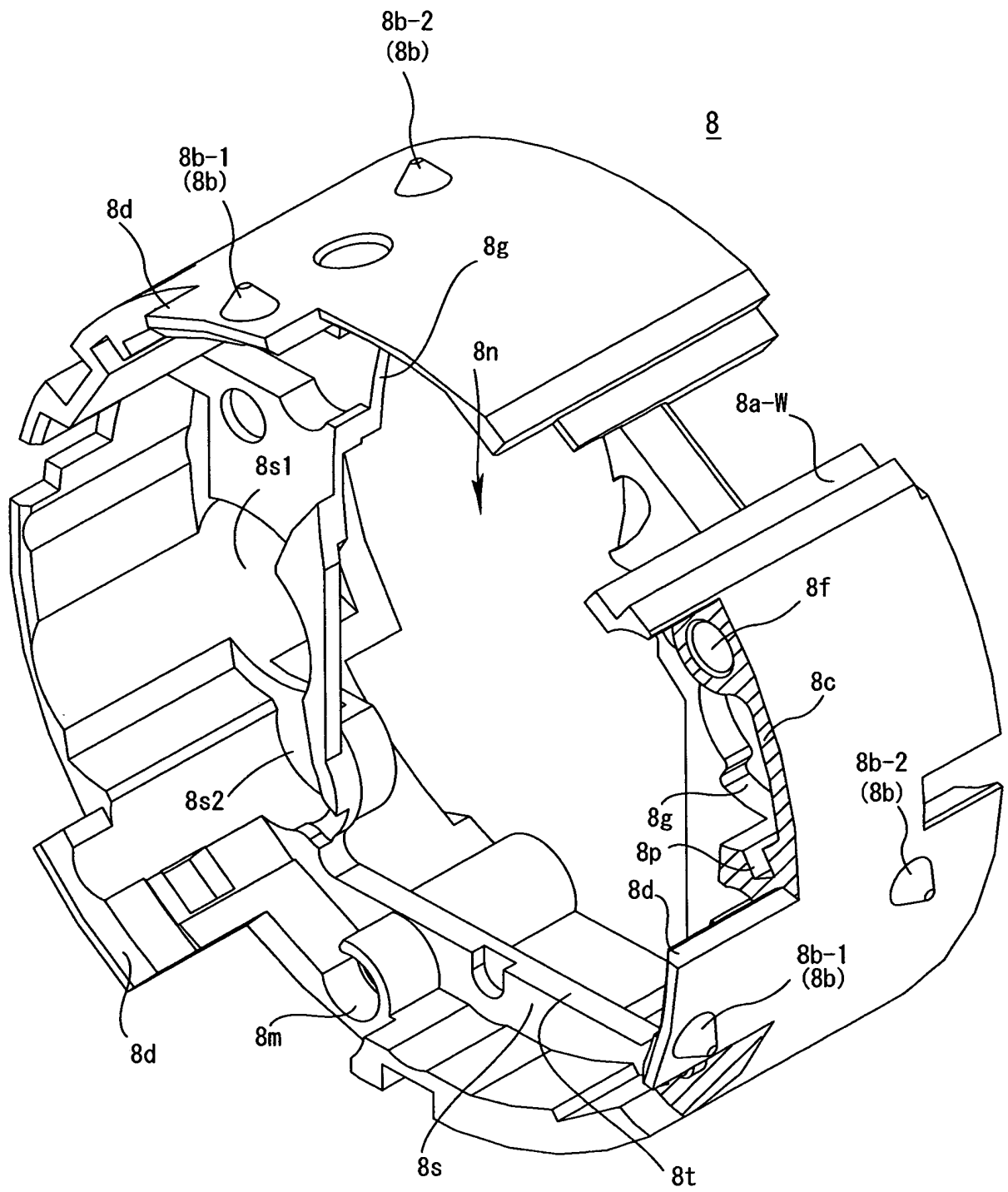


Fig. 108

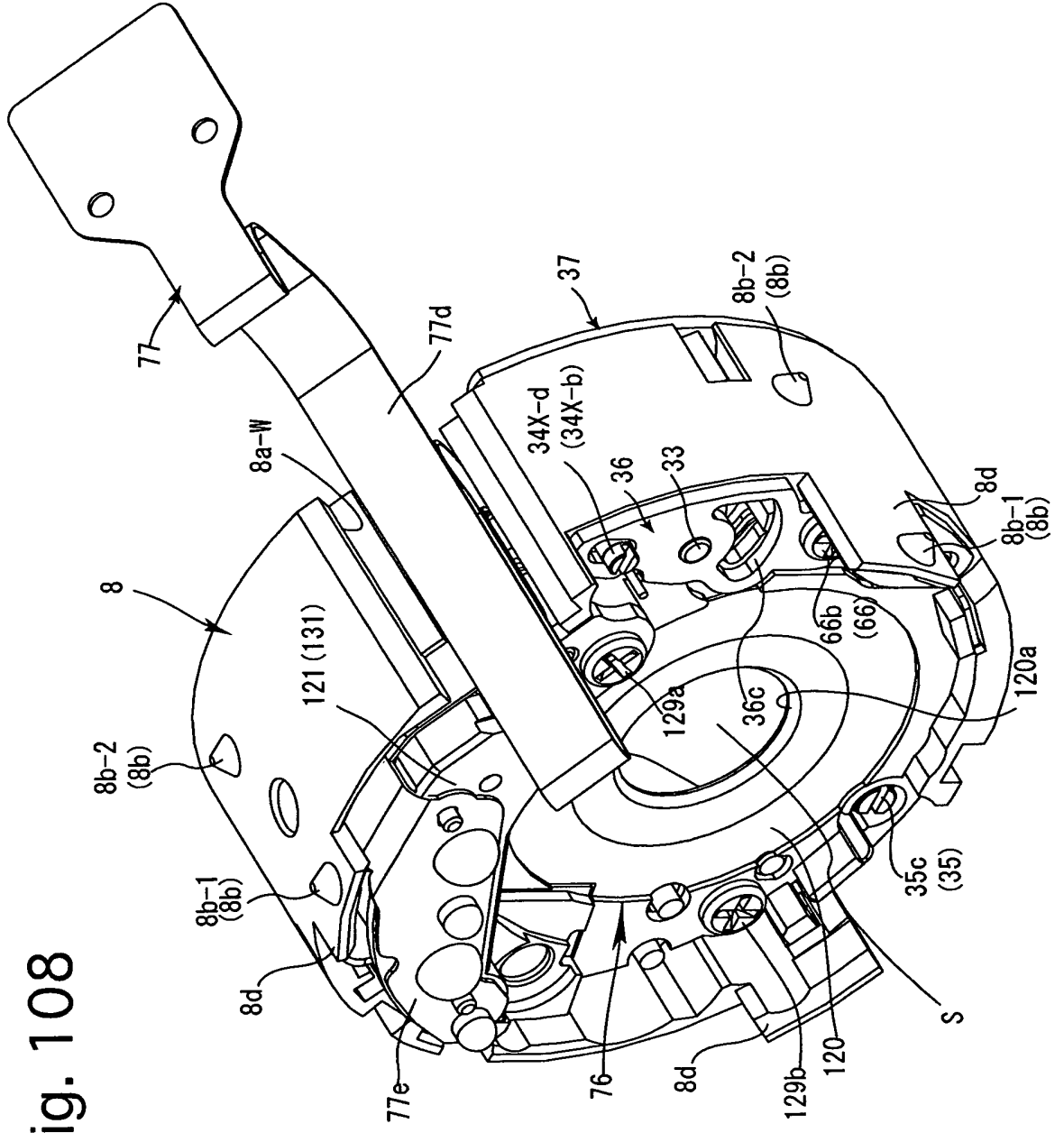


Fig. 109

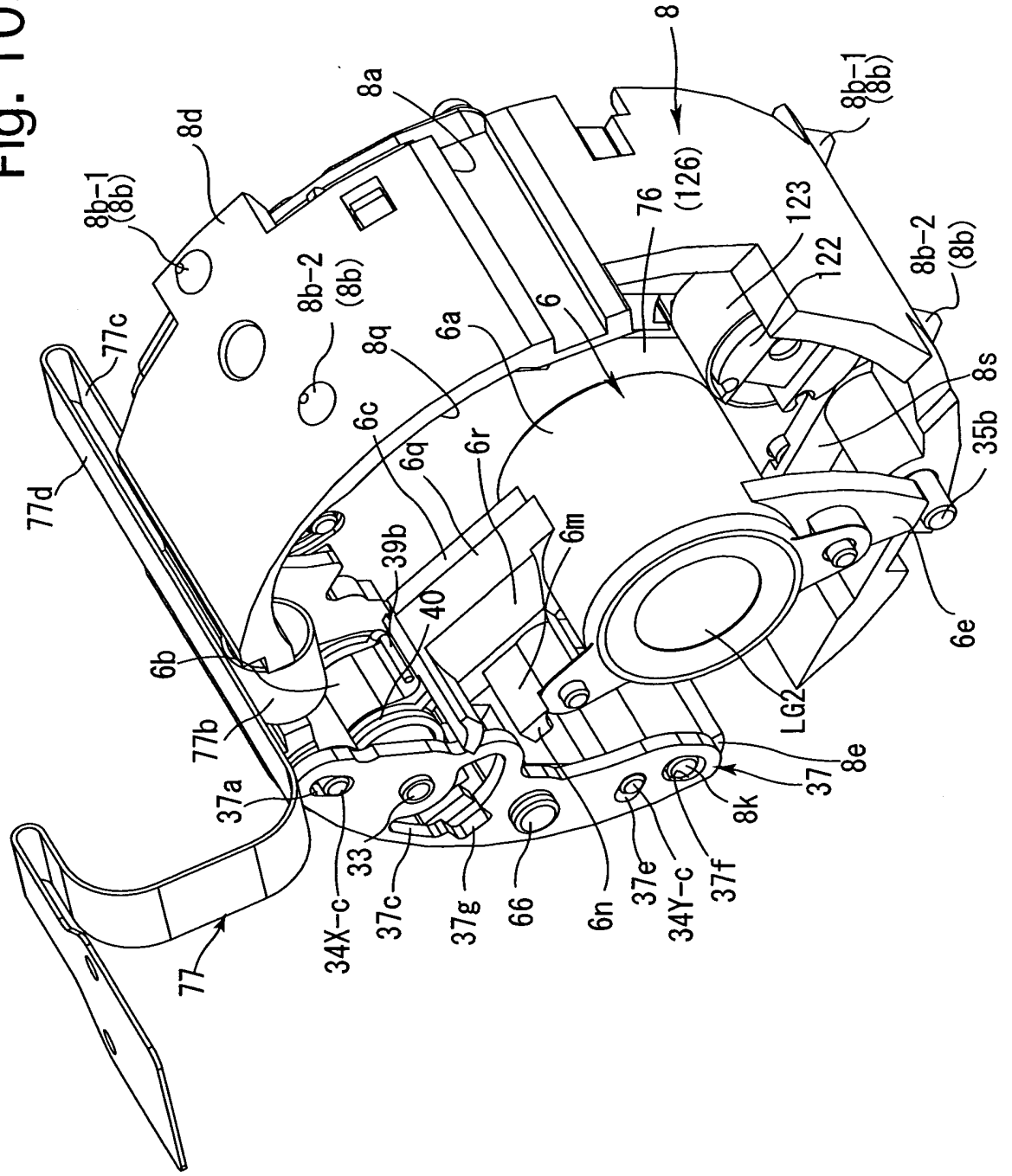


Fig. 110

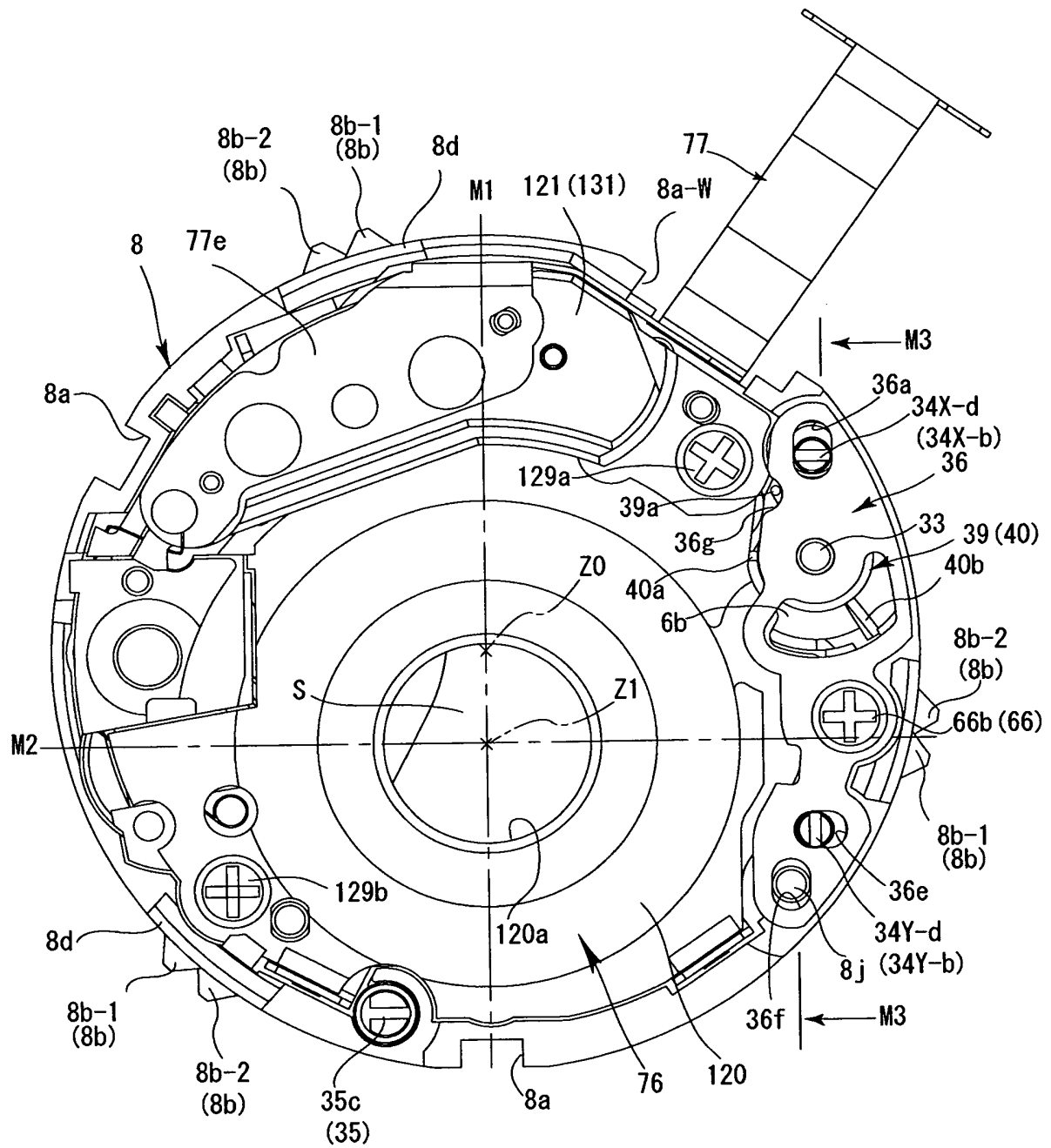
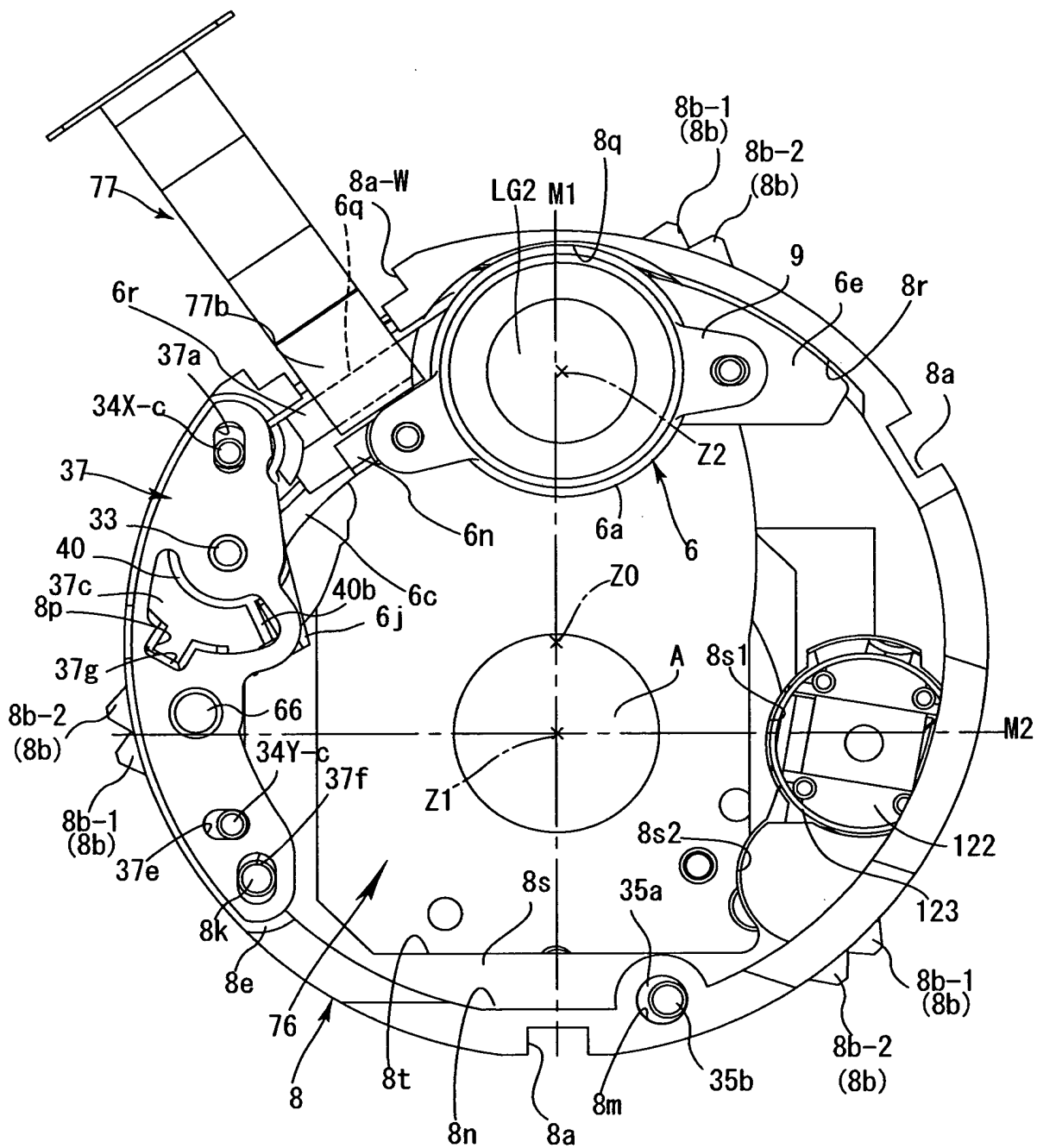


Fig. 112



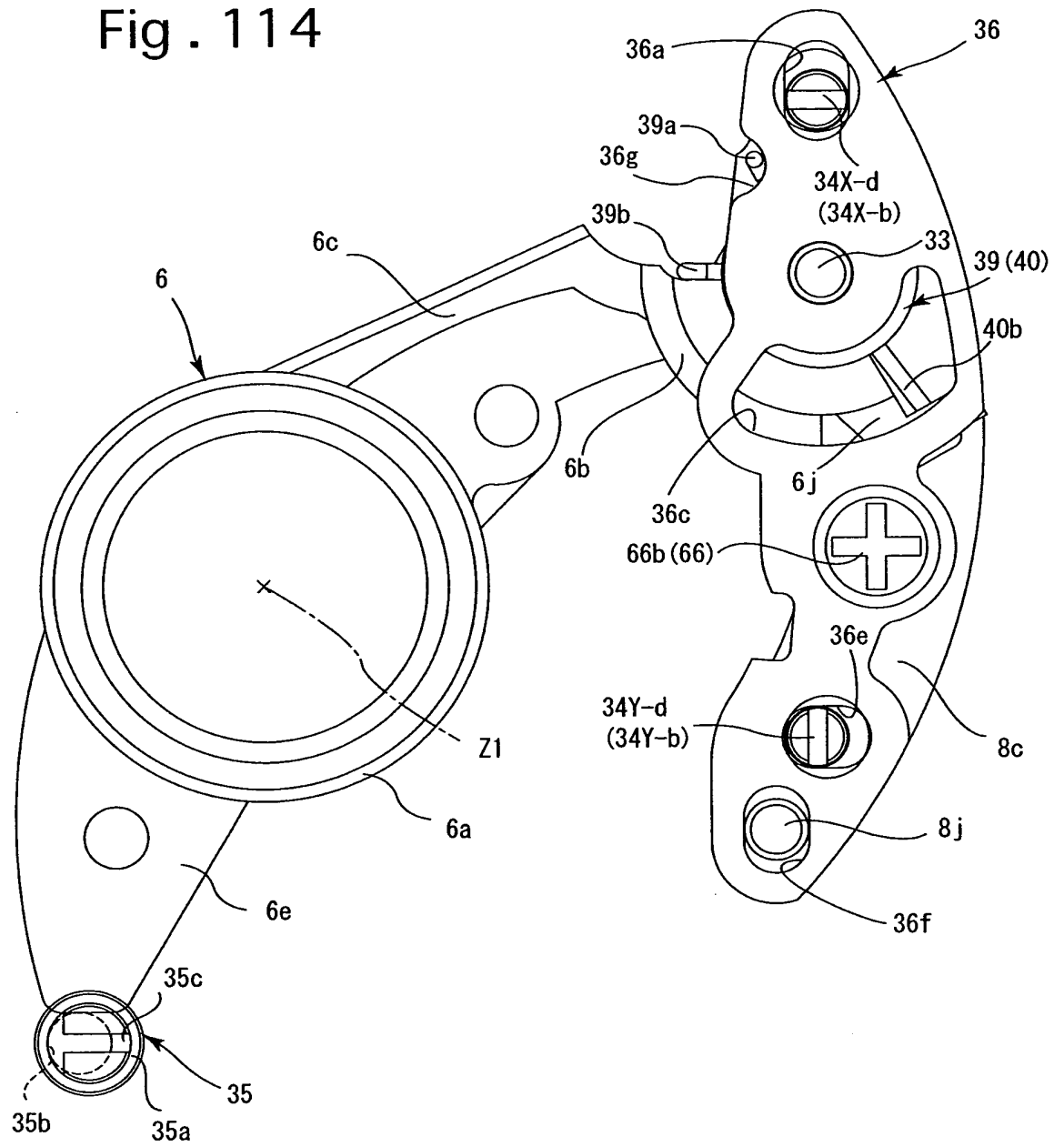


Fig . 115

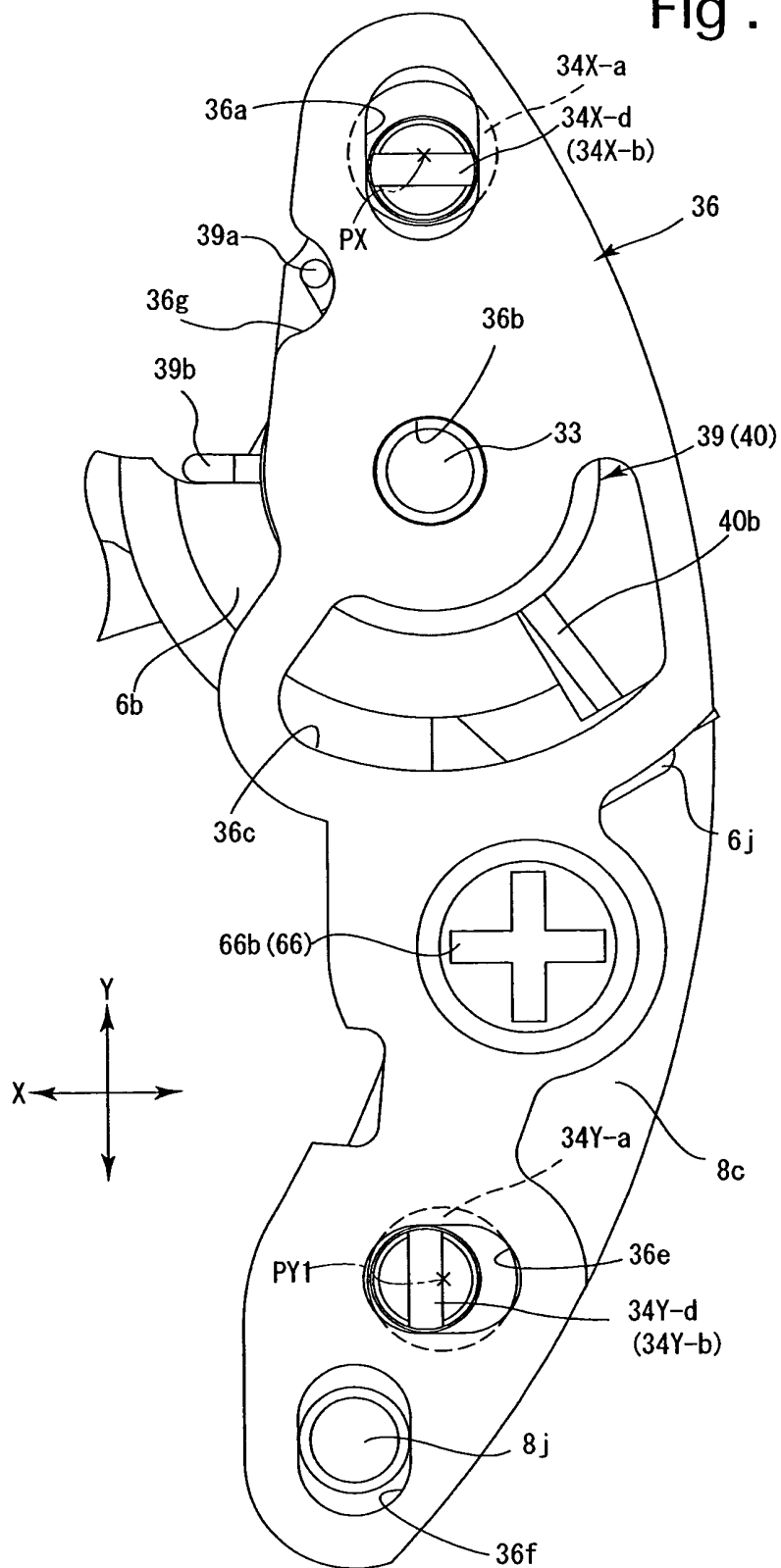


Fig. 116

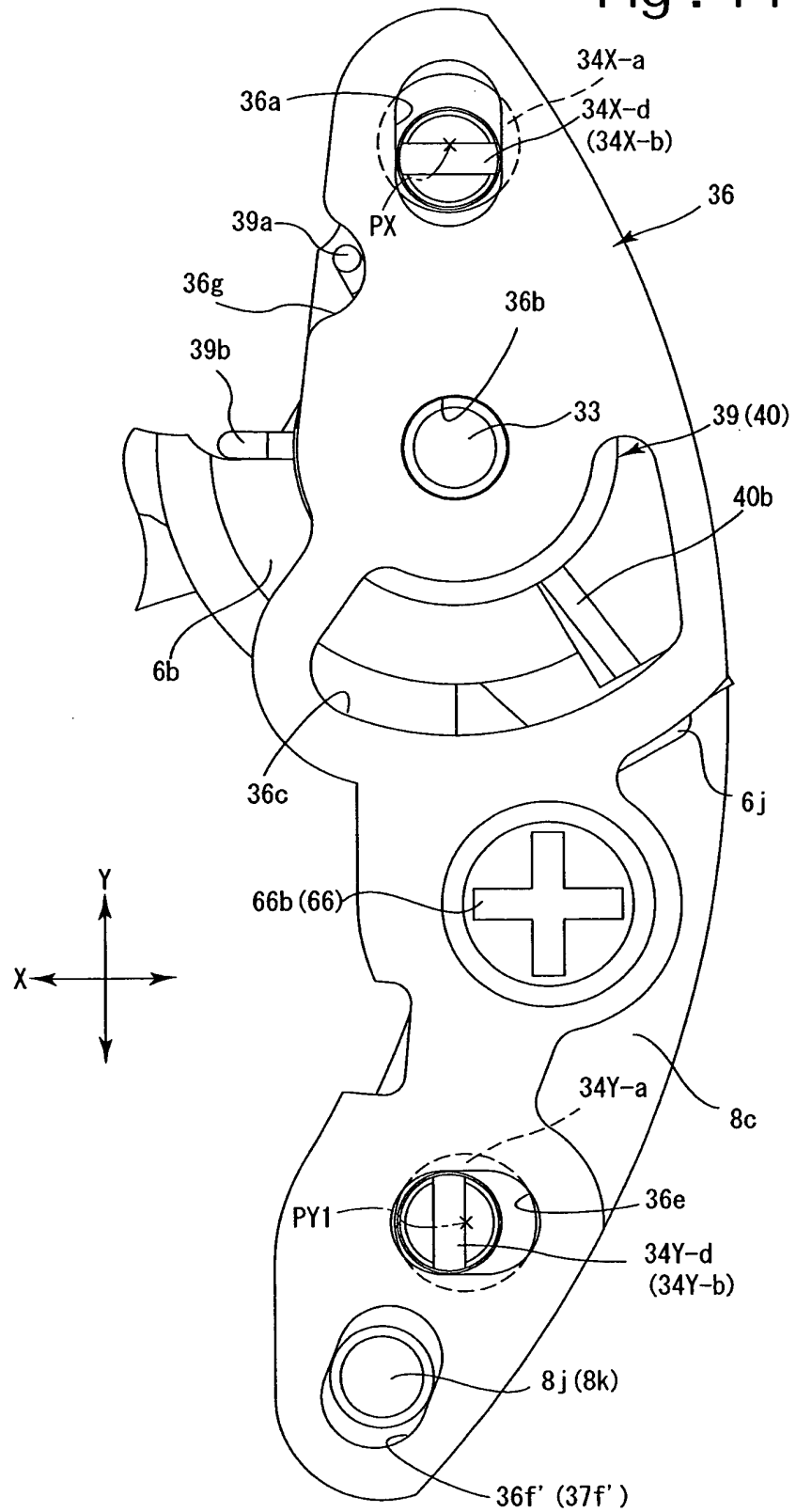


Fig . 1 1 7

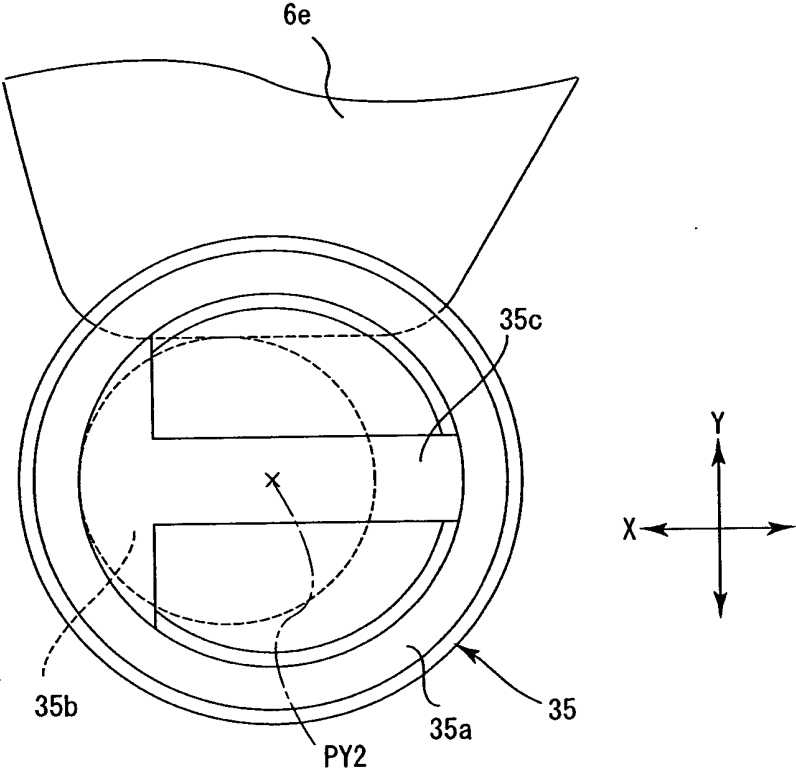


Fig. 118

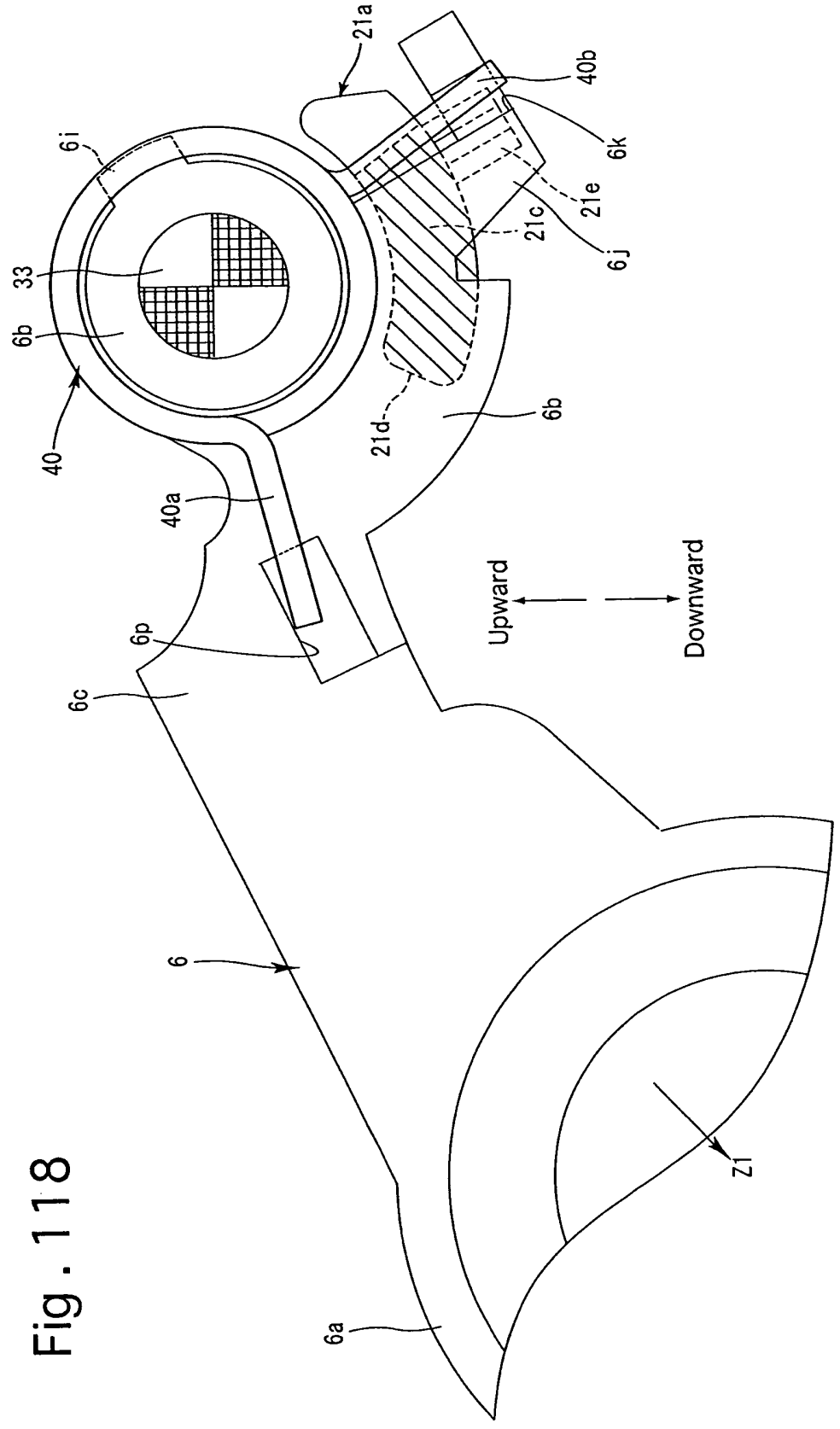


Fig . 119

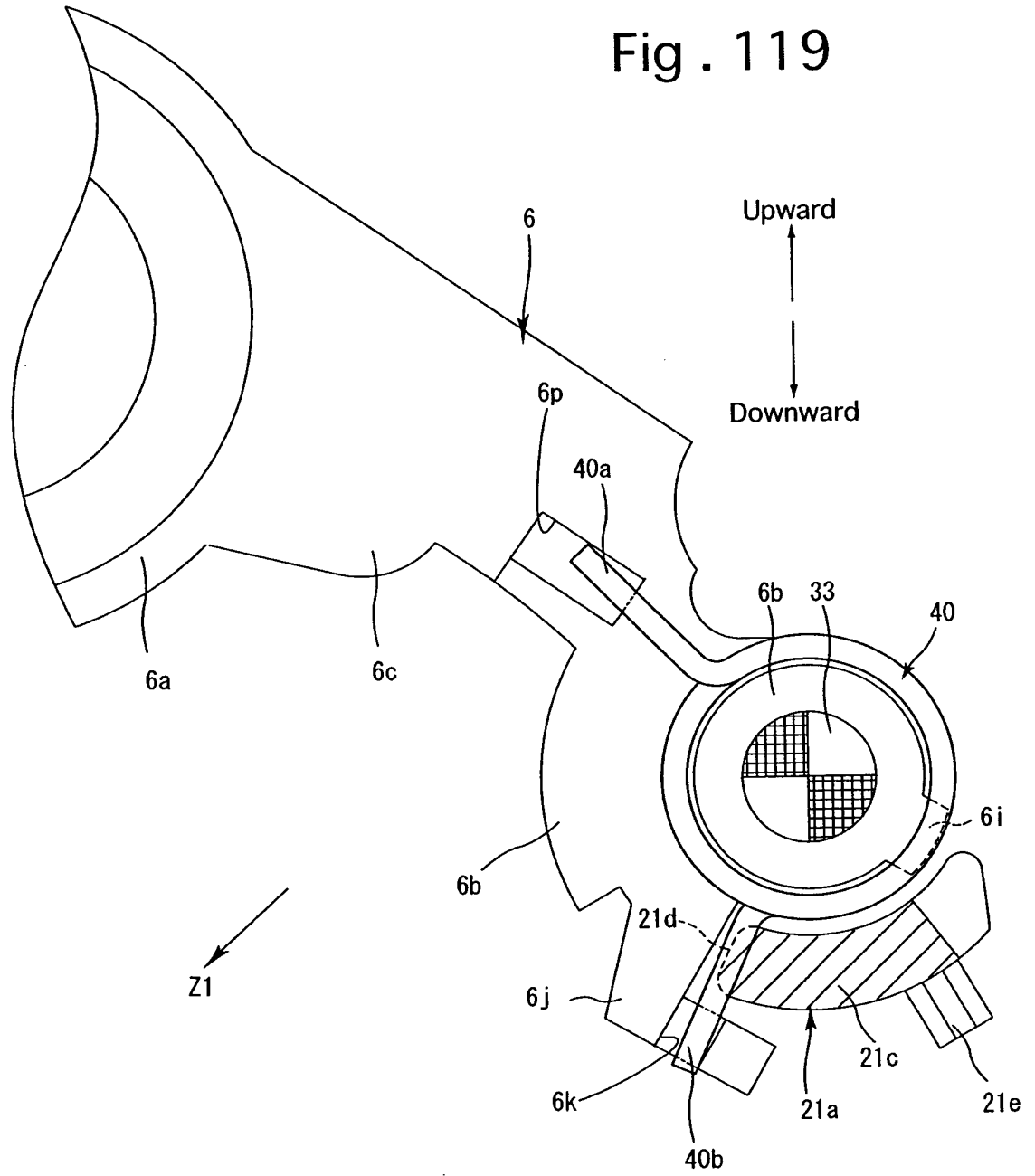


Fig . 120

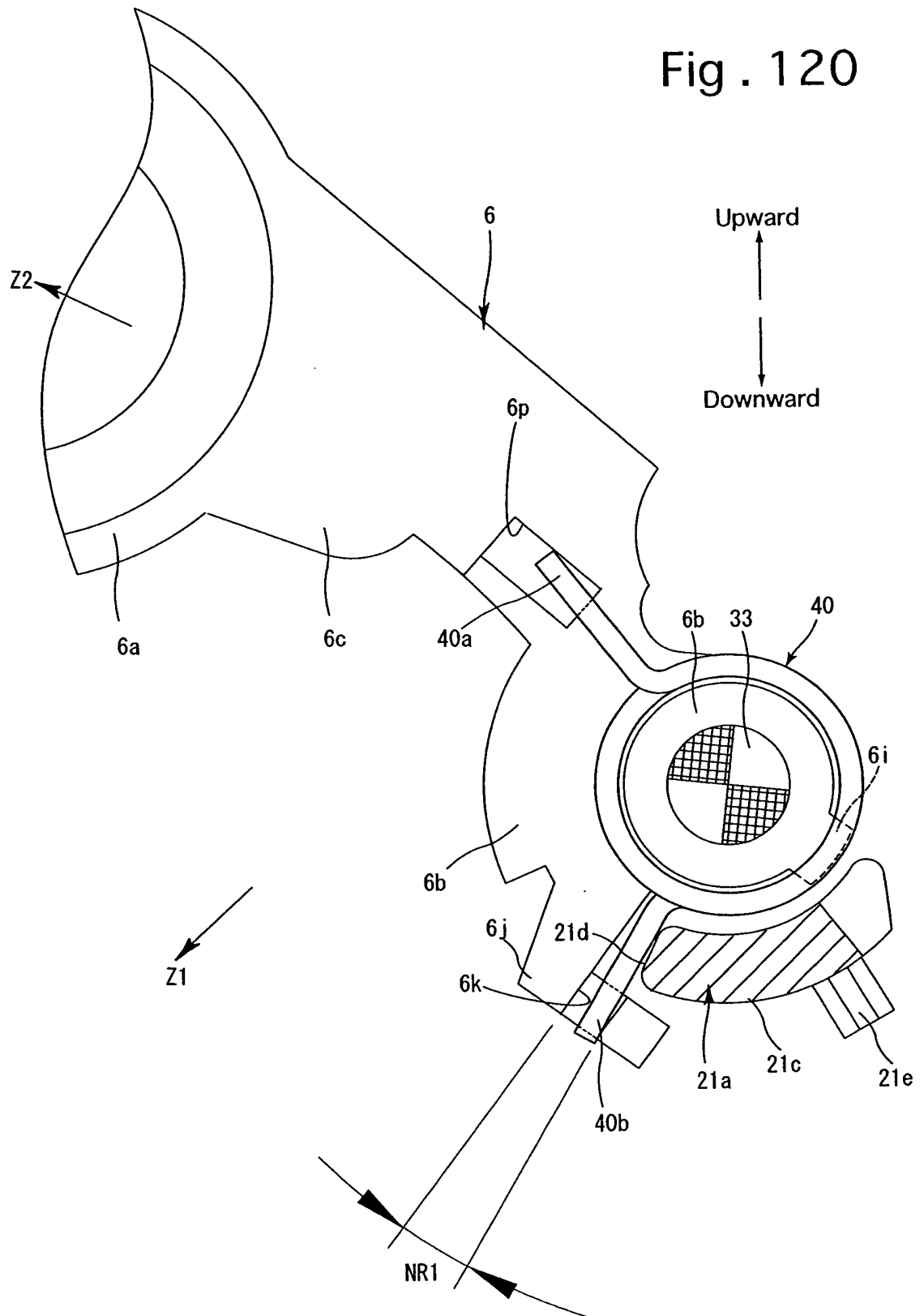


Fig . 121

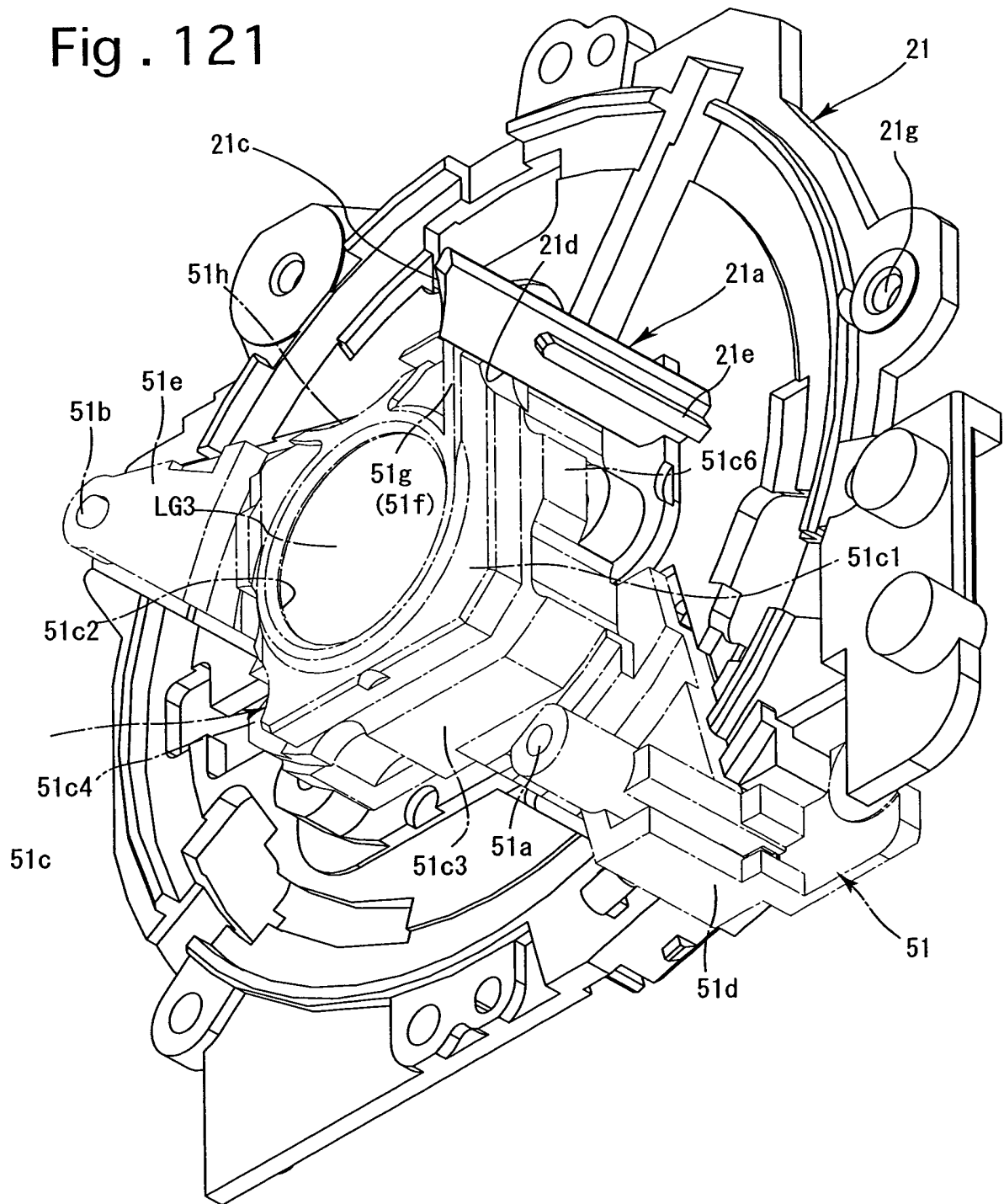


Fig . 123

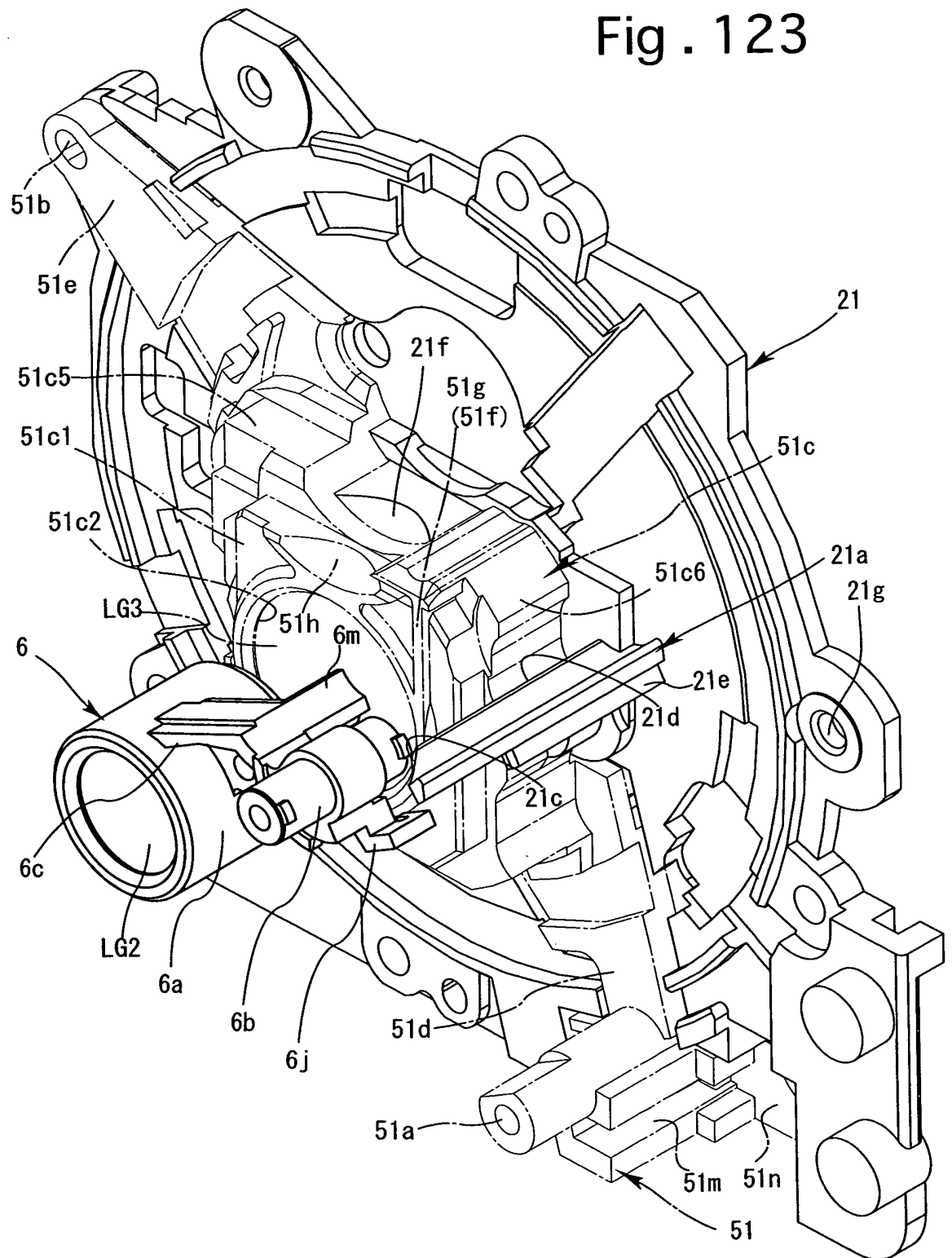


Fig . 124

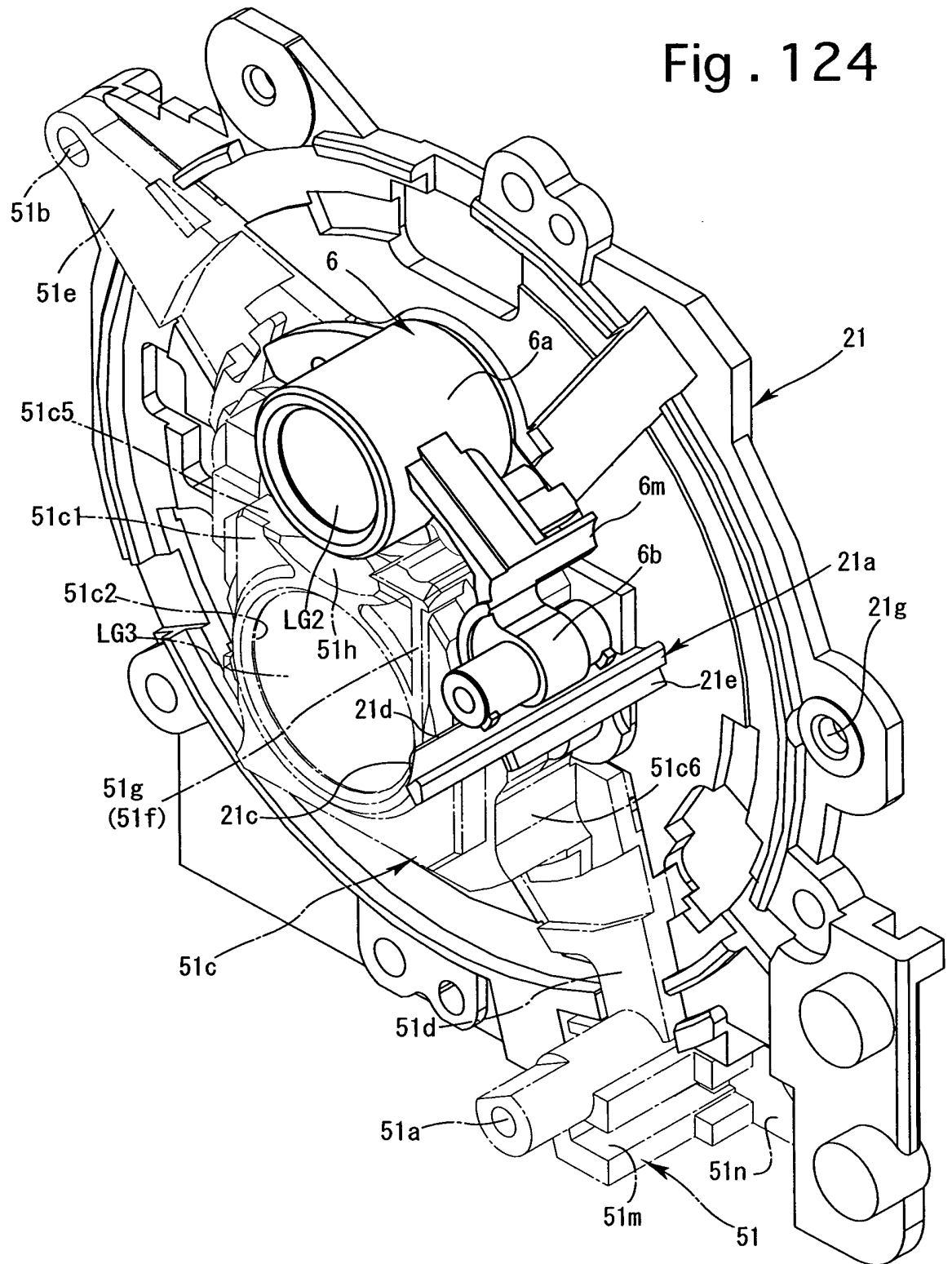


Fig. 125

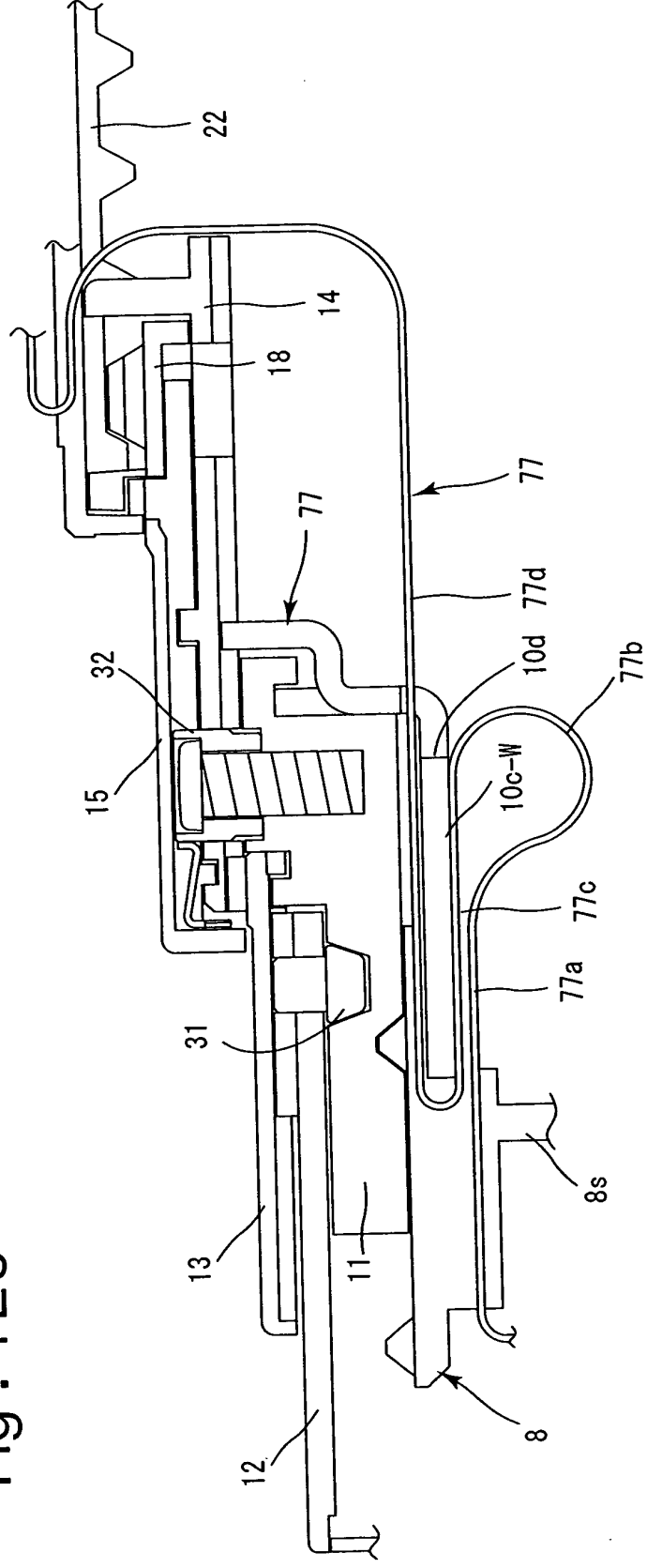


Fig . 126

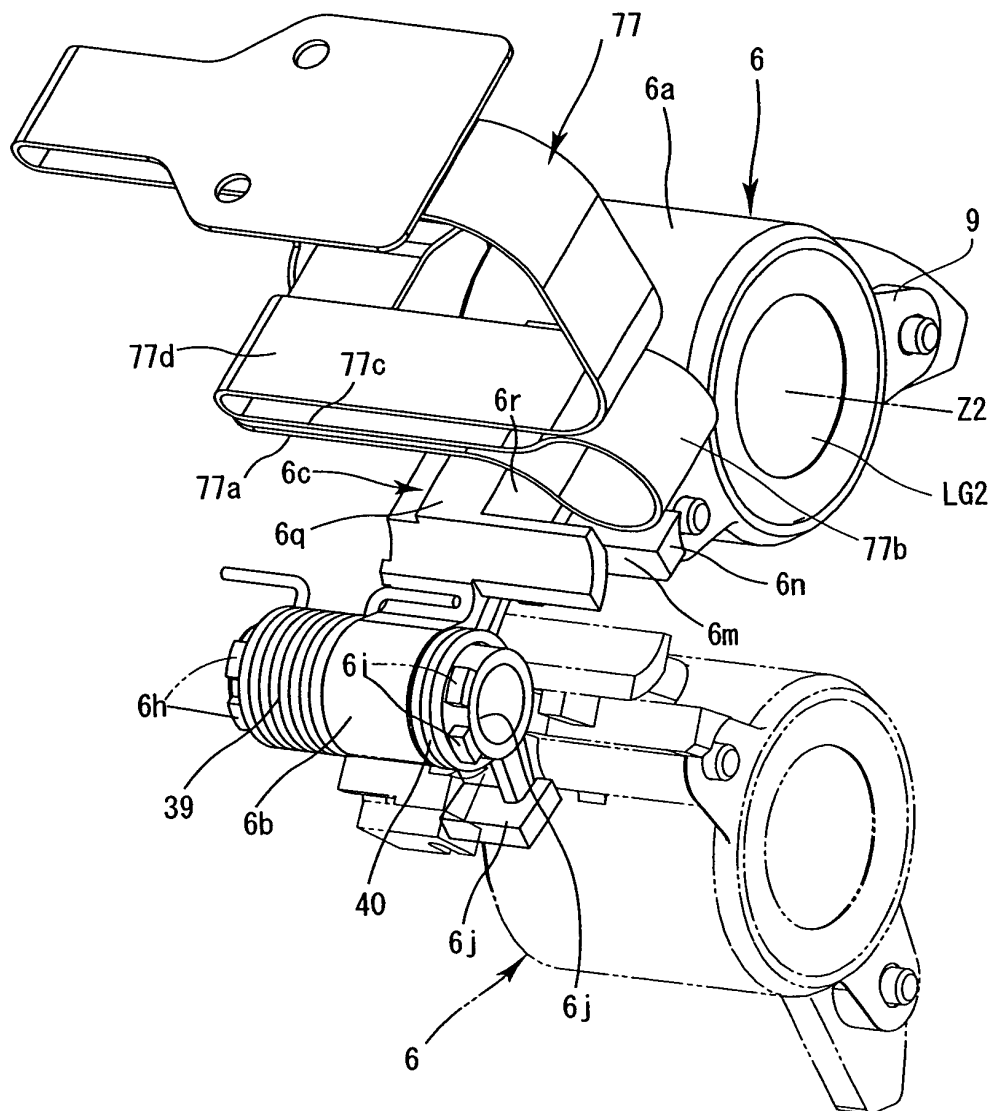


Fig . 127

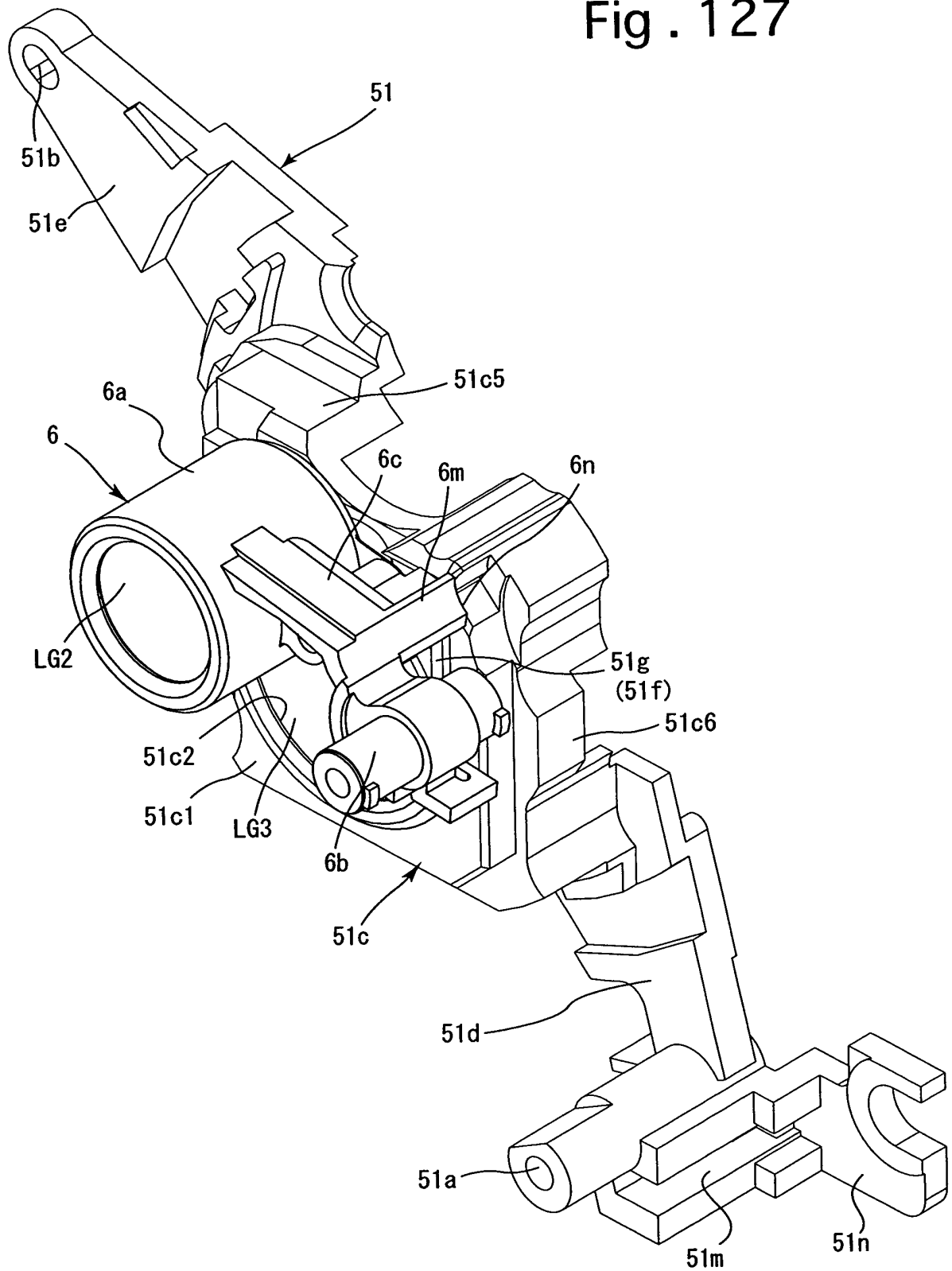


Fig . 128

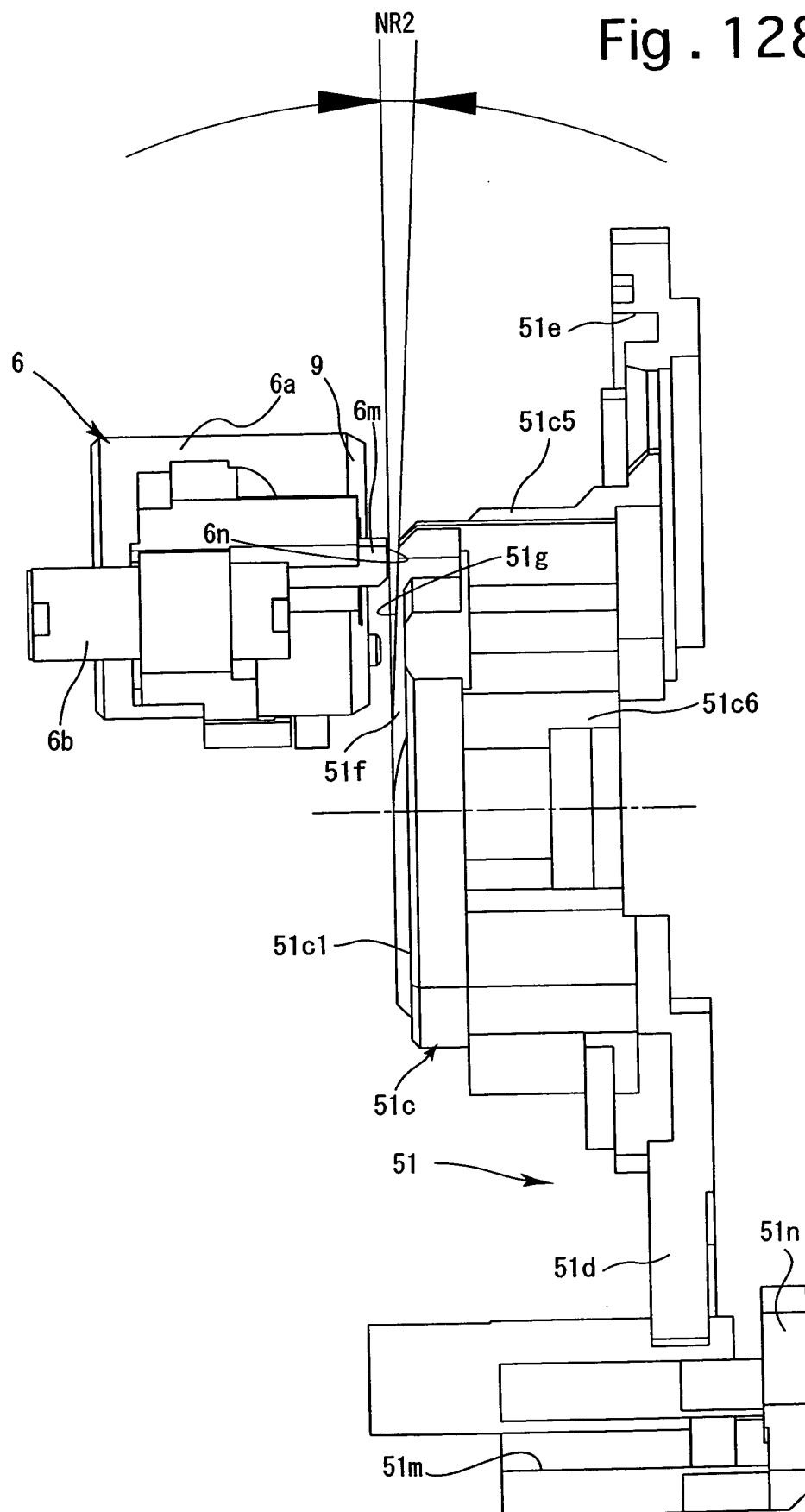
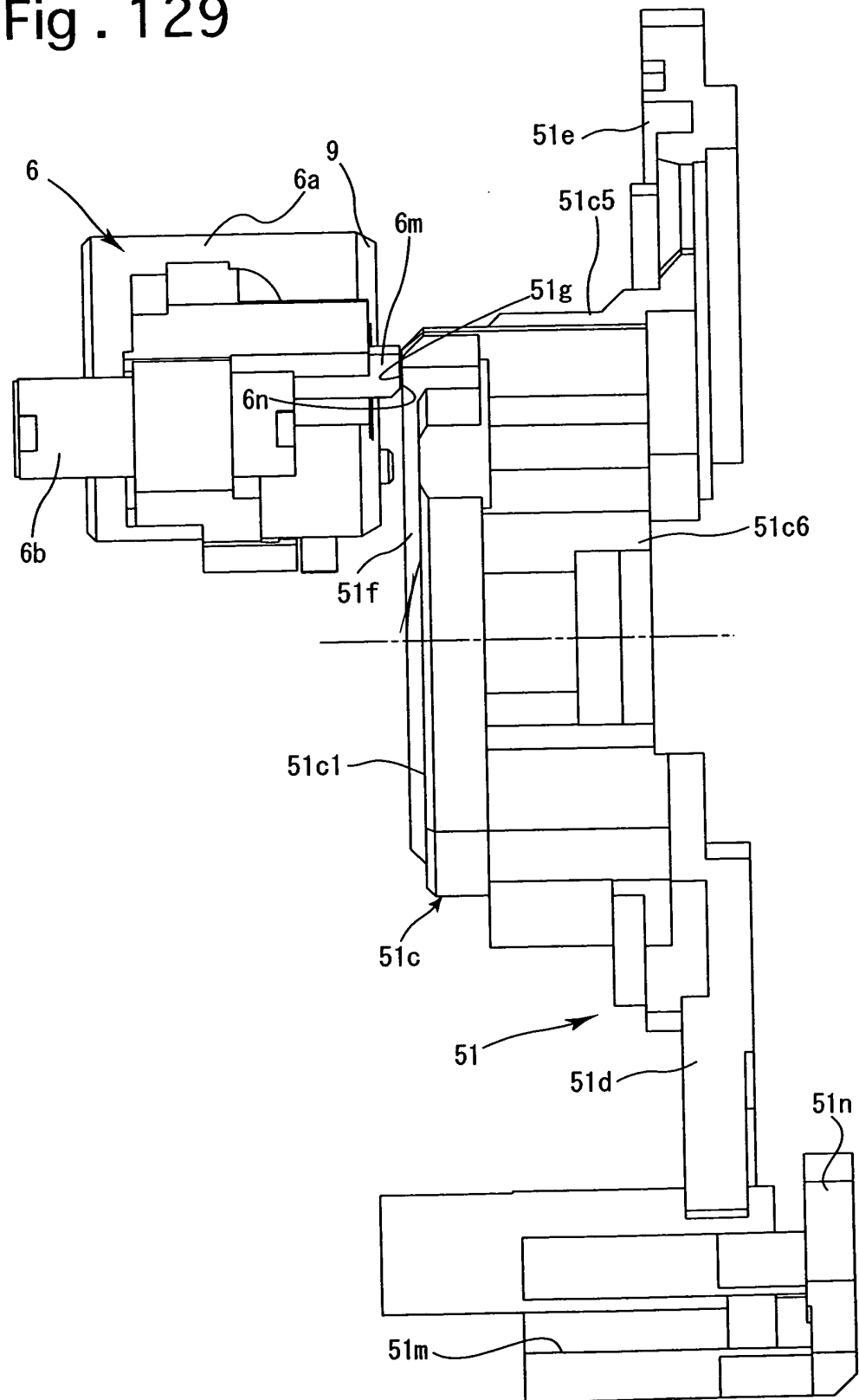


Fig . 129



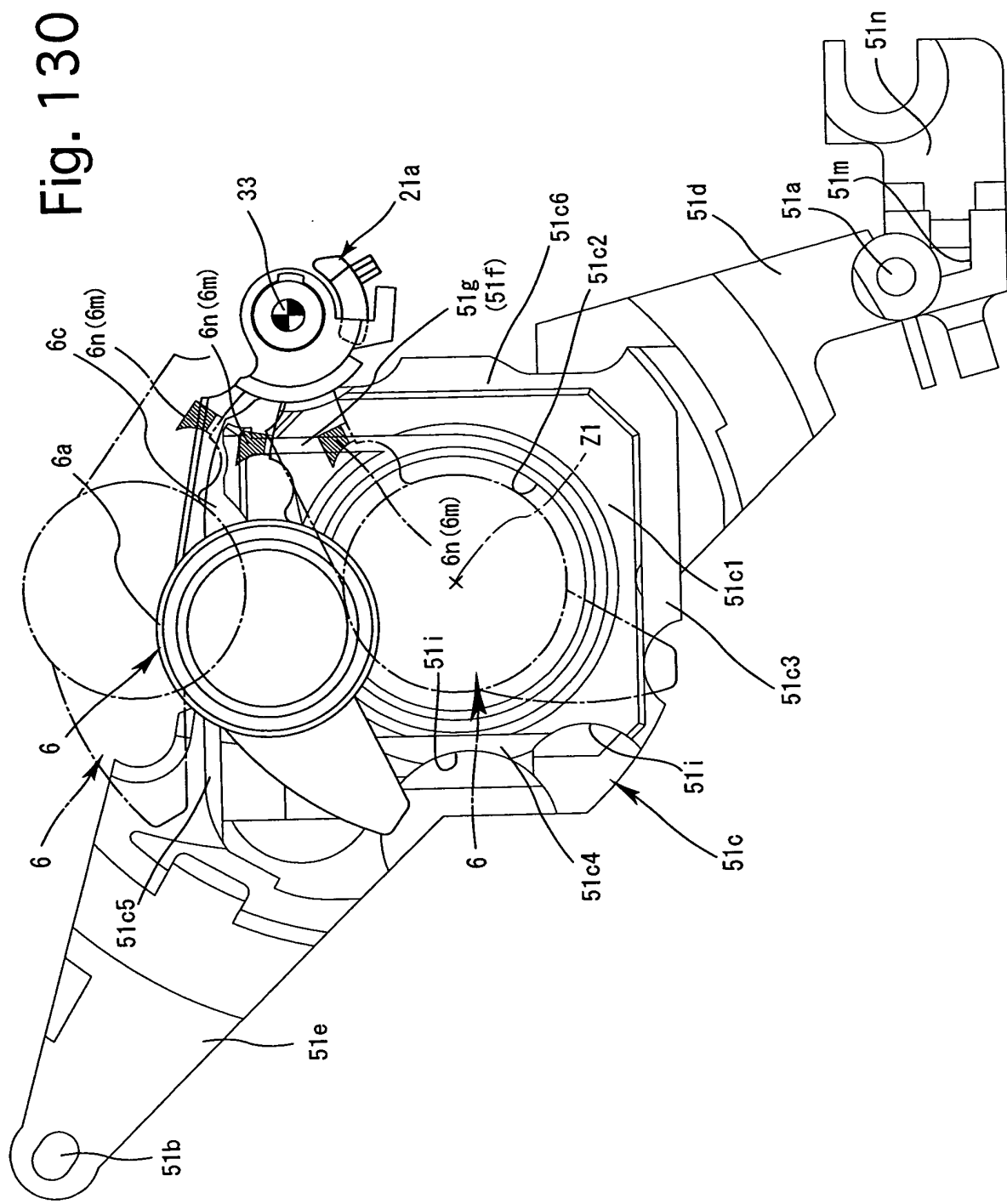


Fig. 131

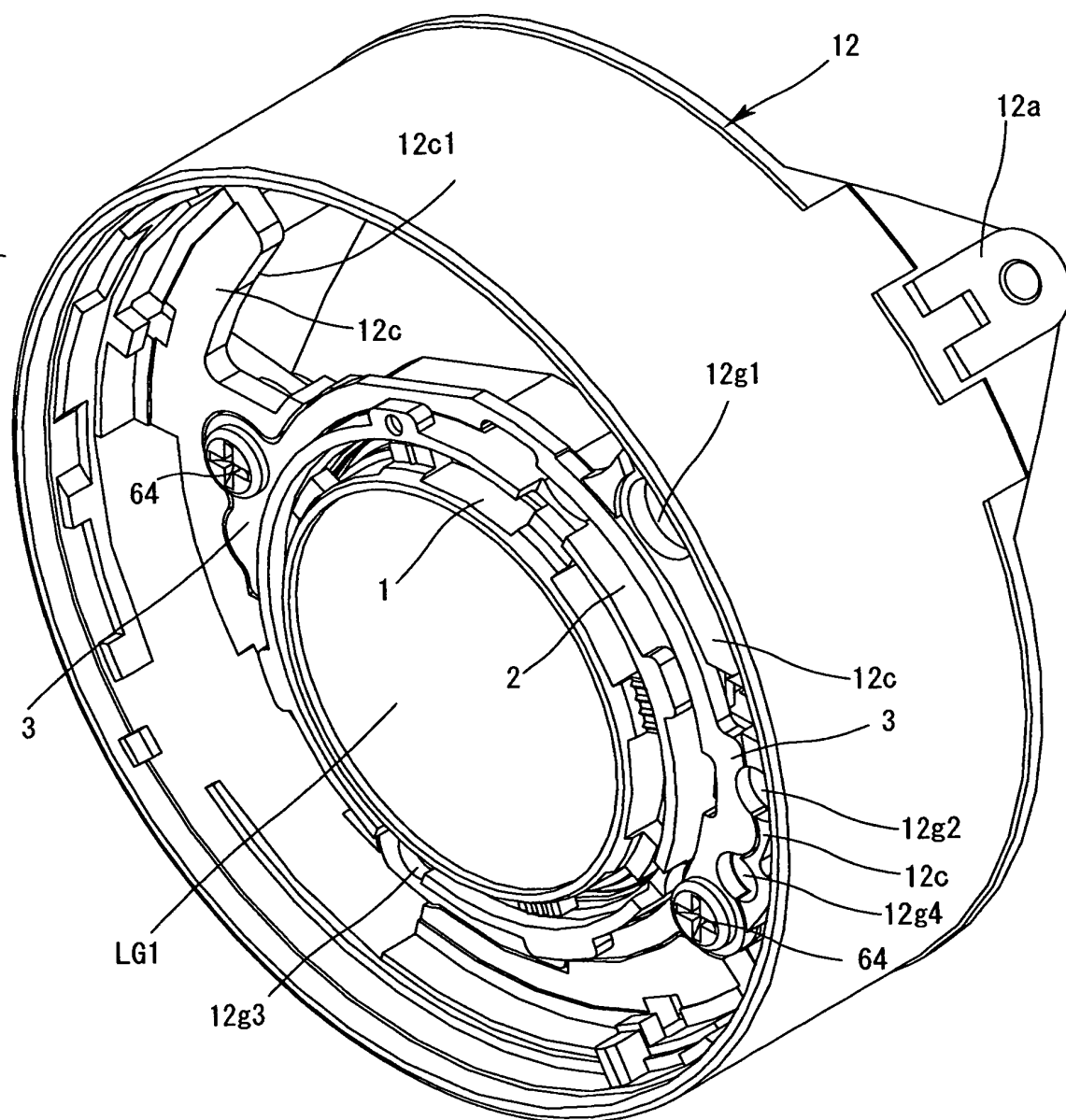


Fig. 132

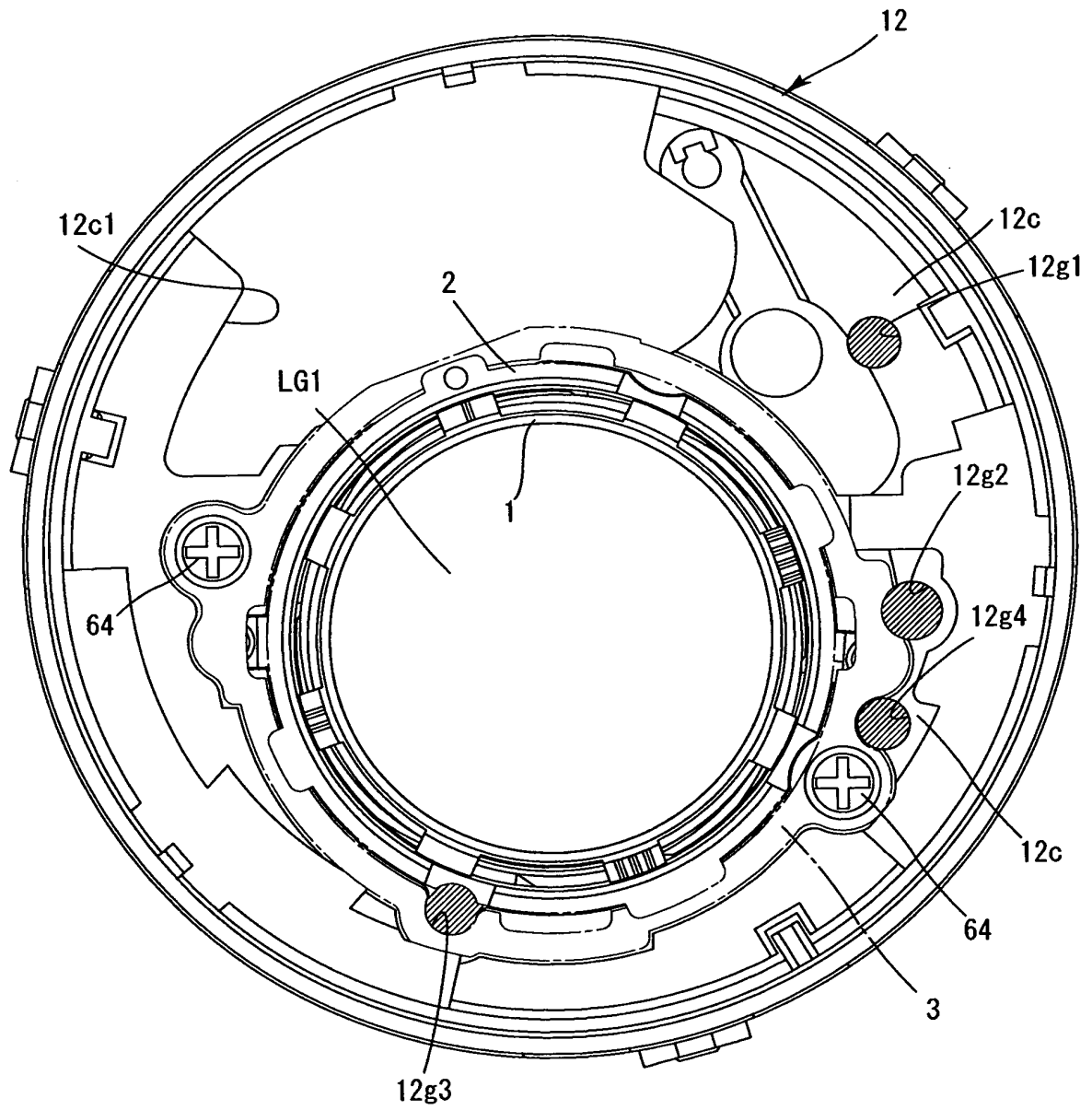


Fig. 133

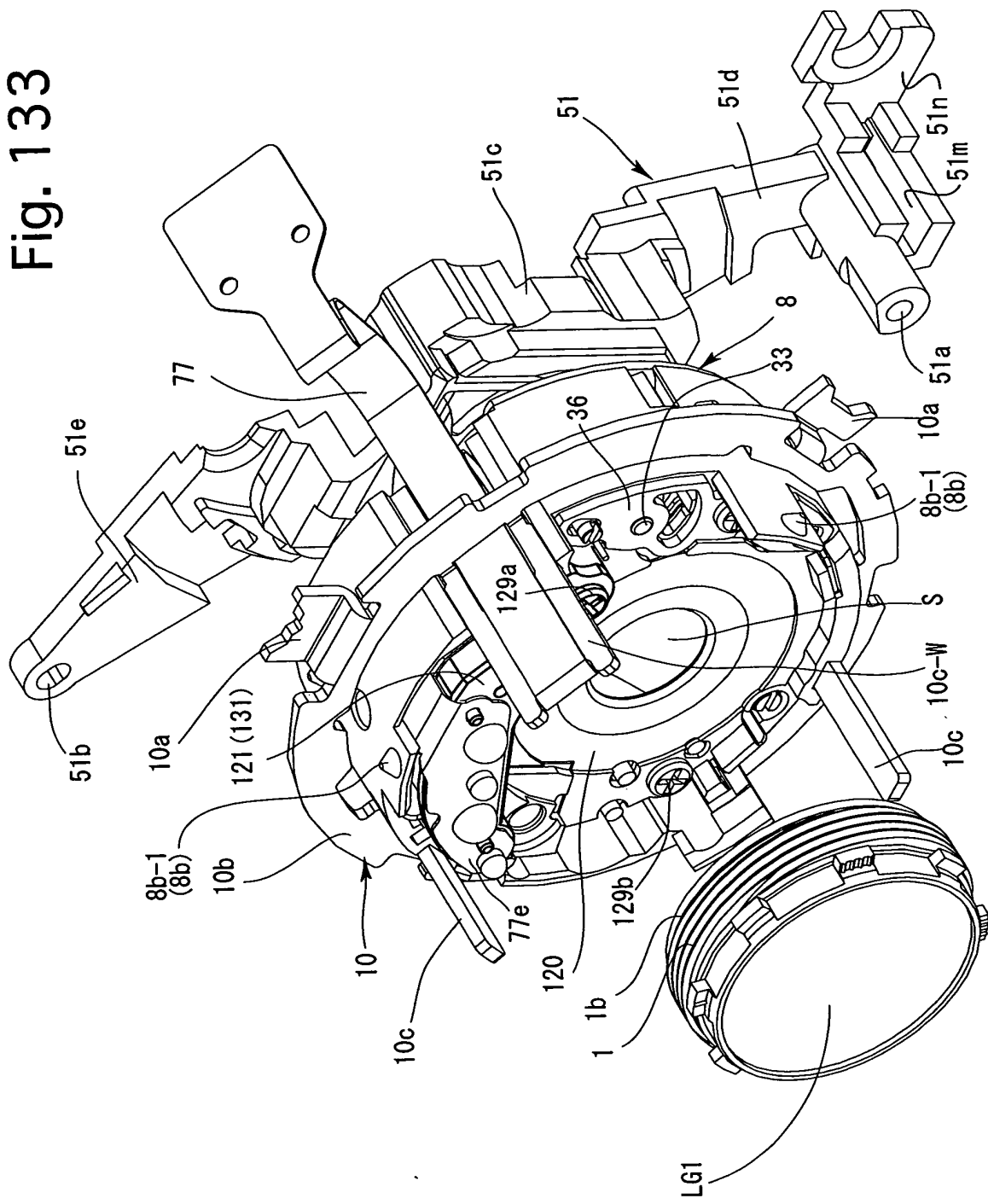


Fig. 134

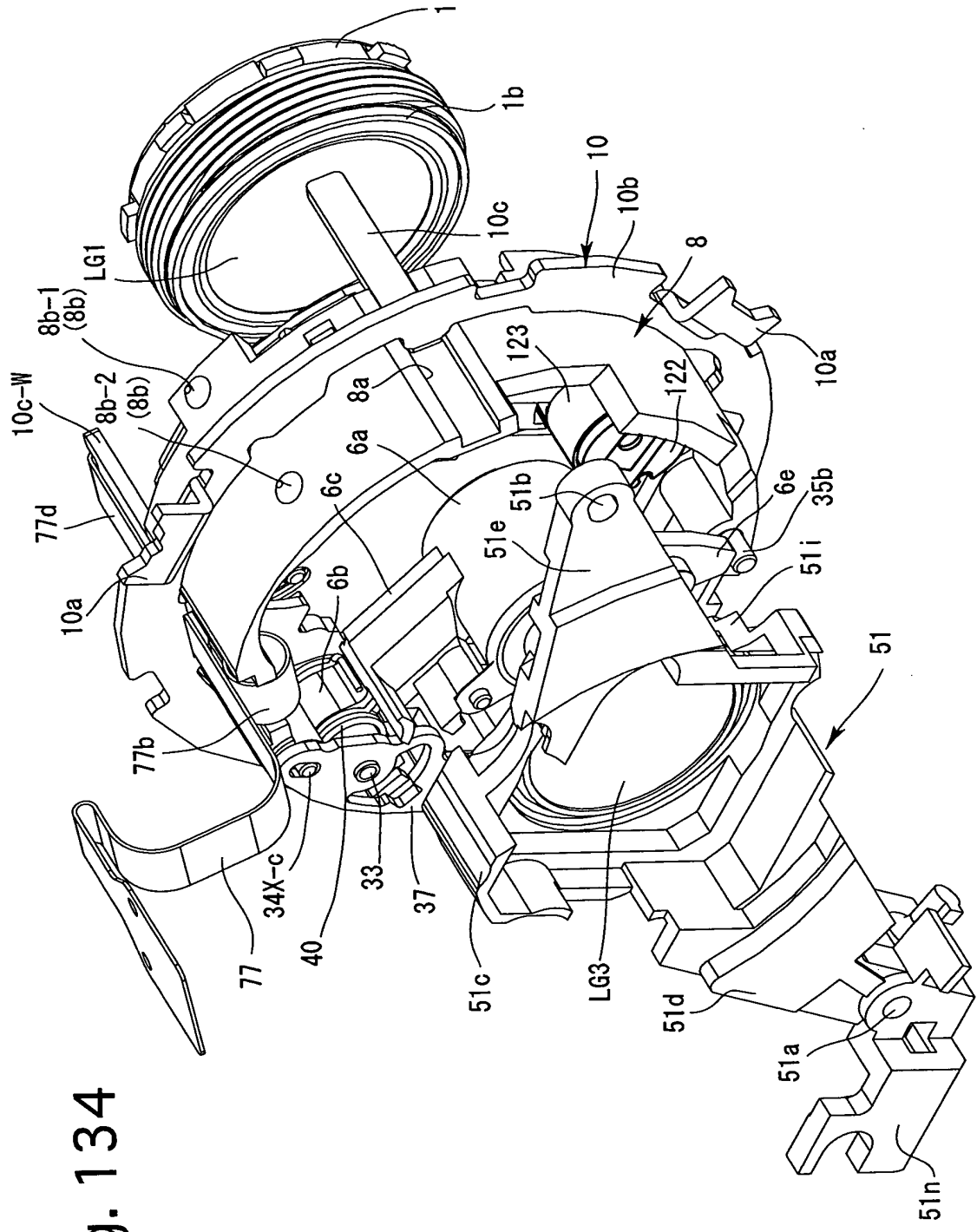


Fig. 135

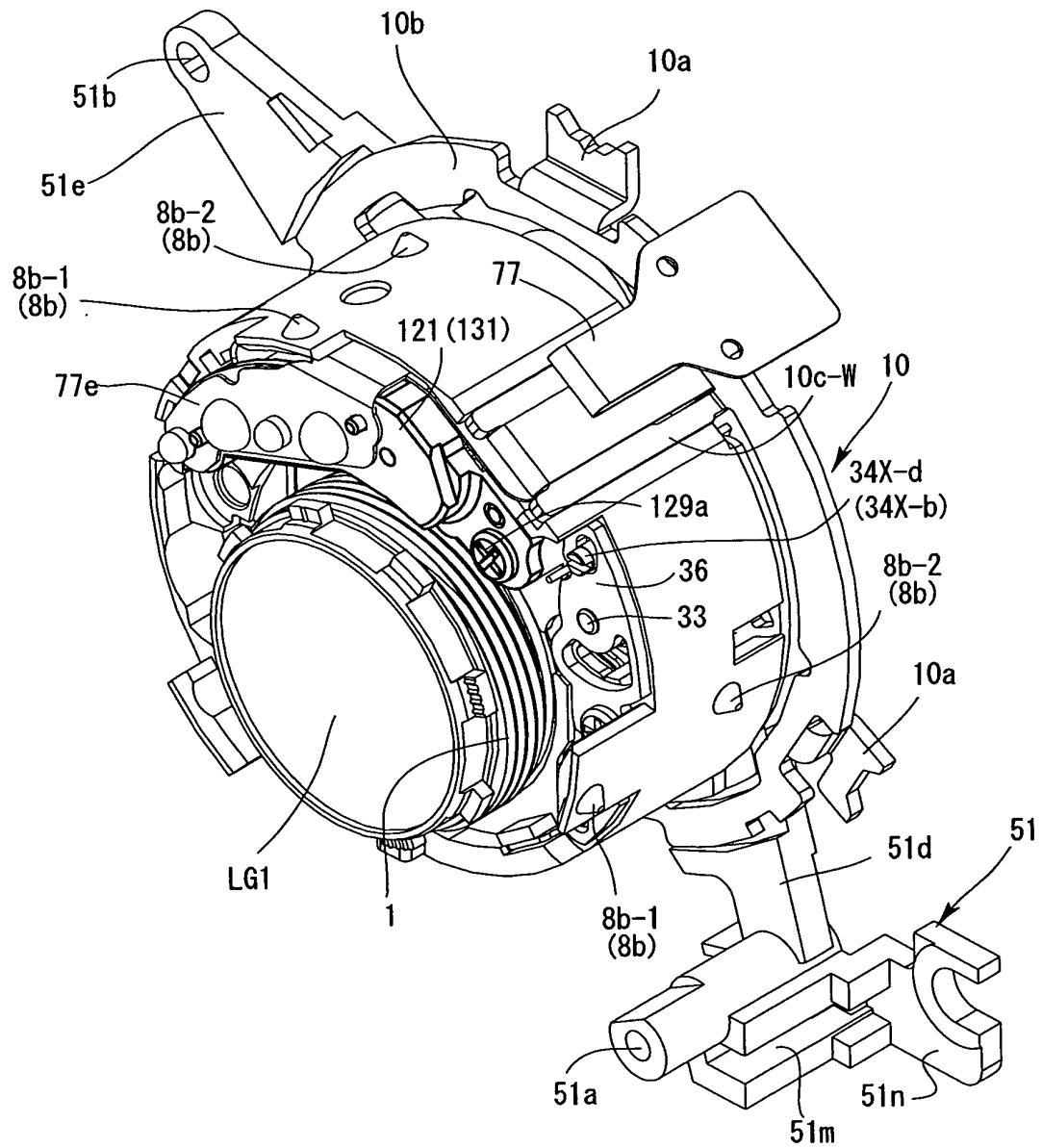


Fig. 136

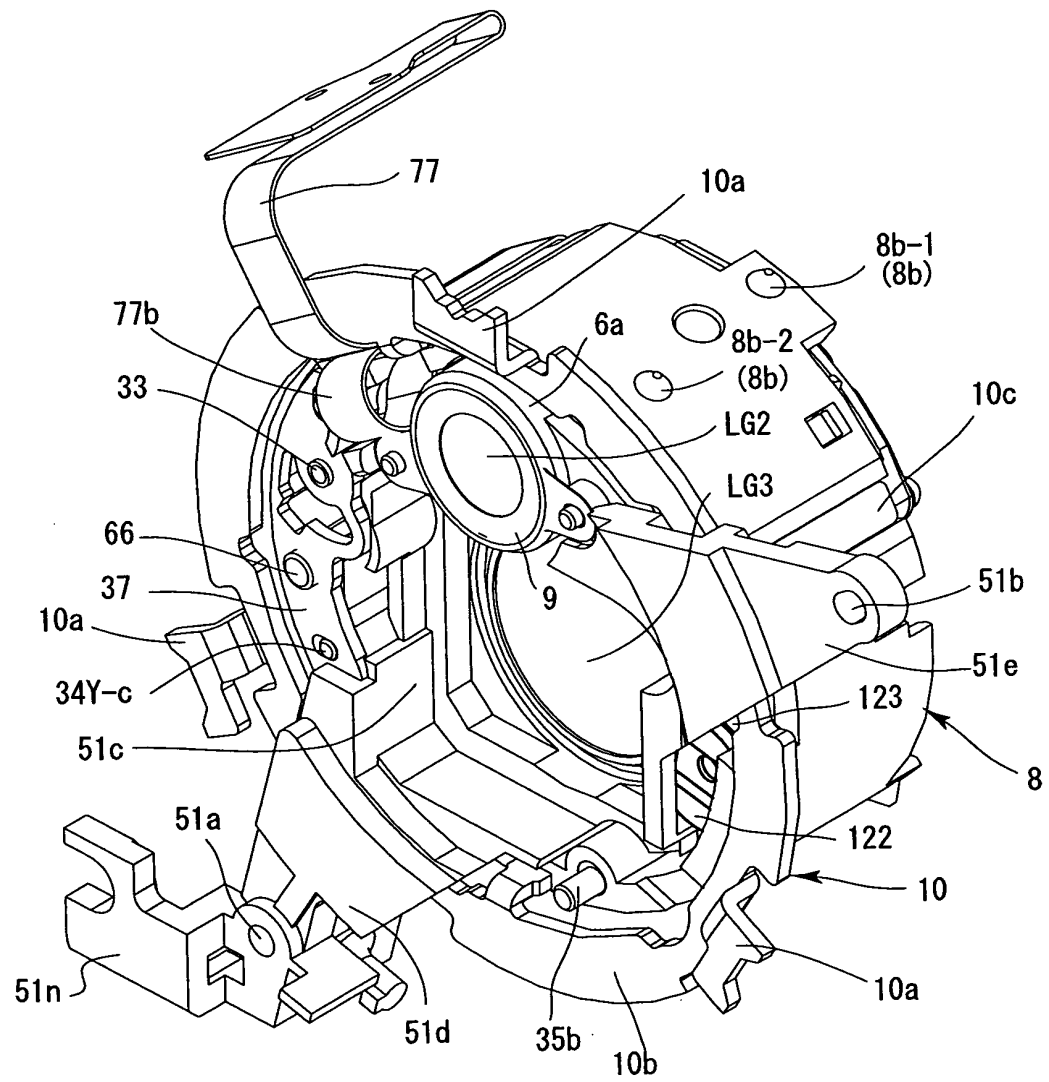


Fig. 137

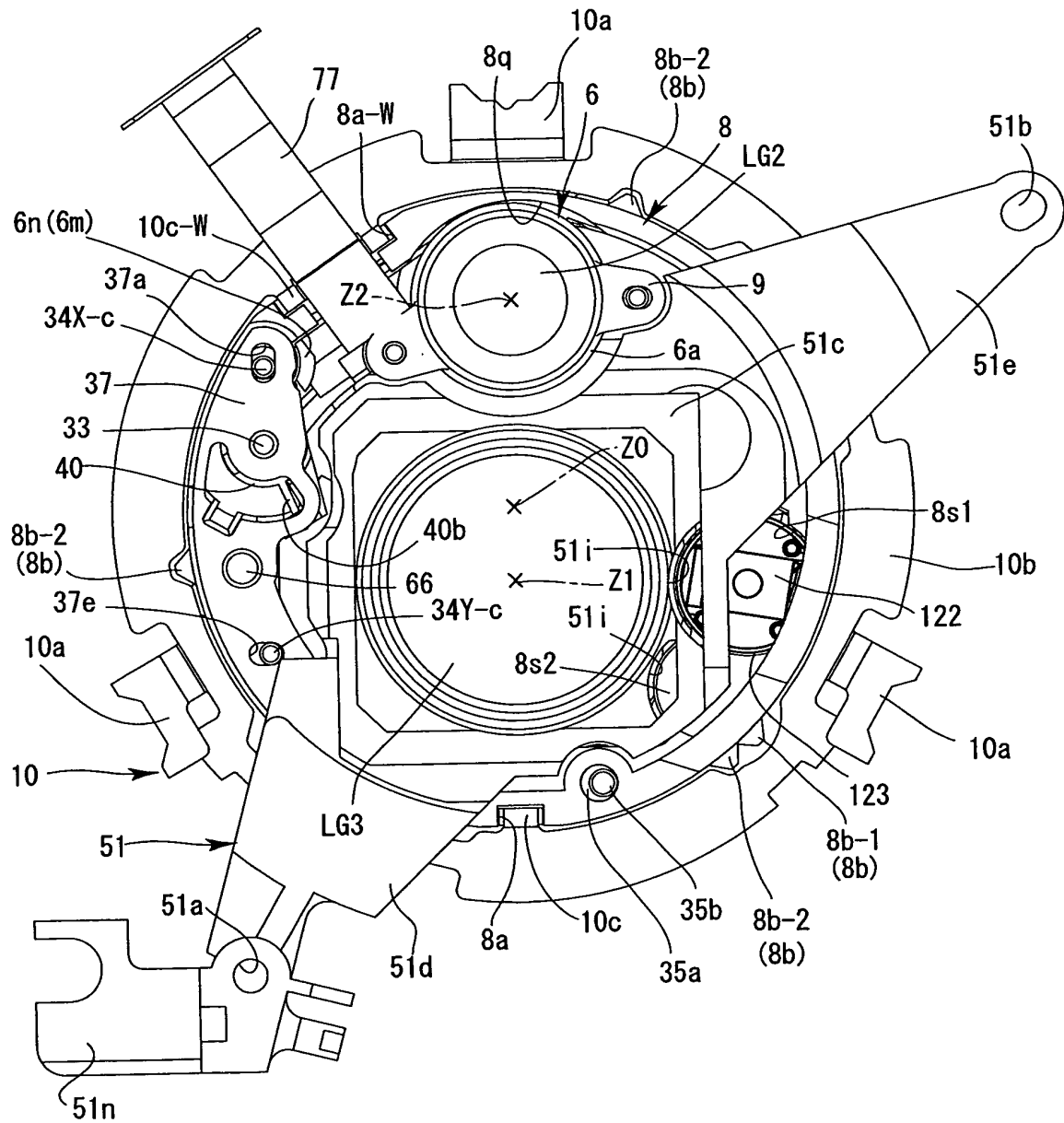


Fig. 138

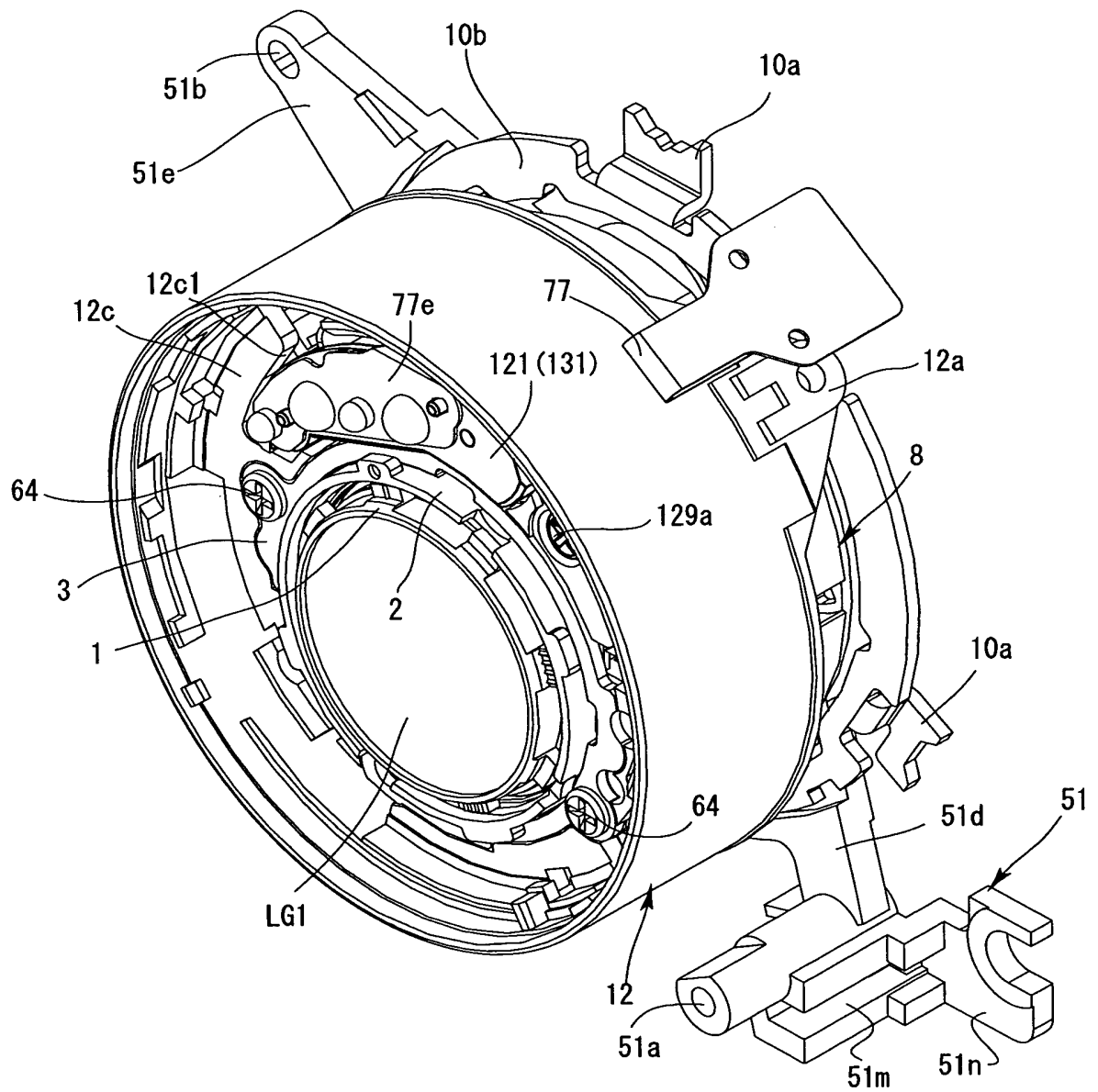


Fig. 139

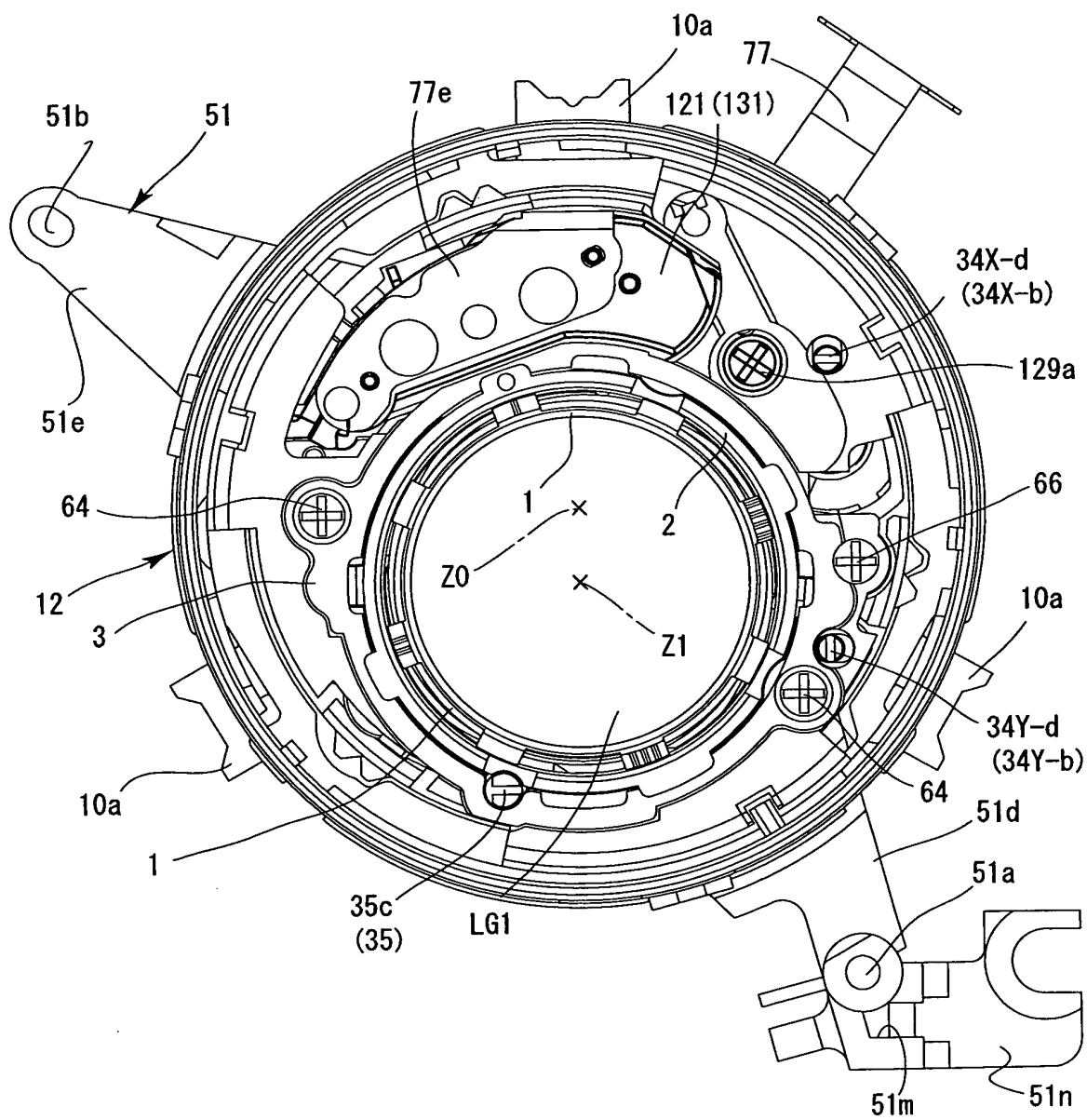
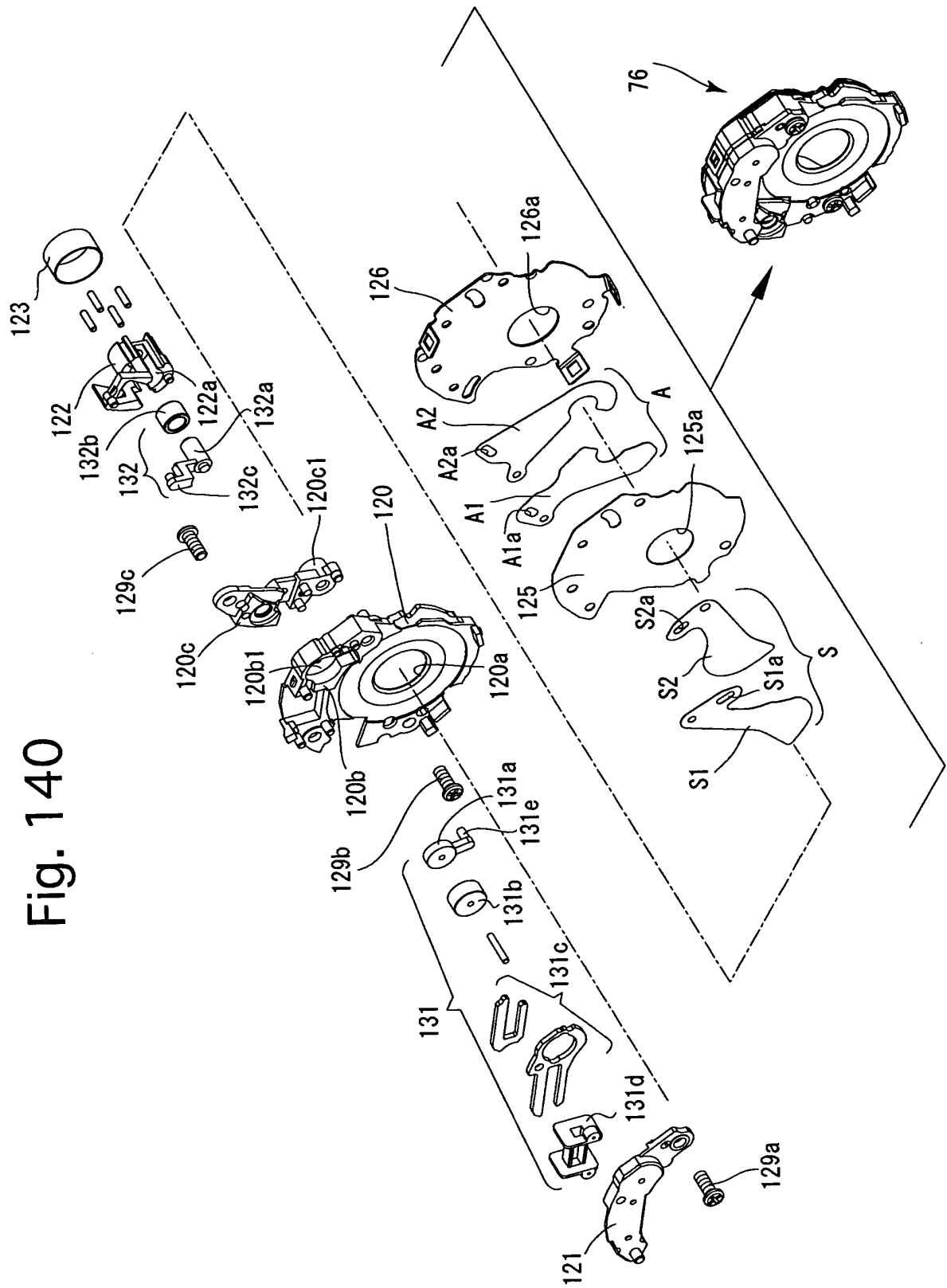


Fig. 140



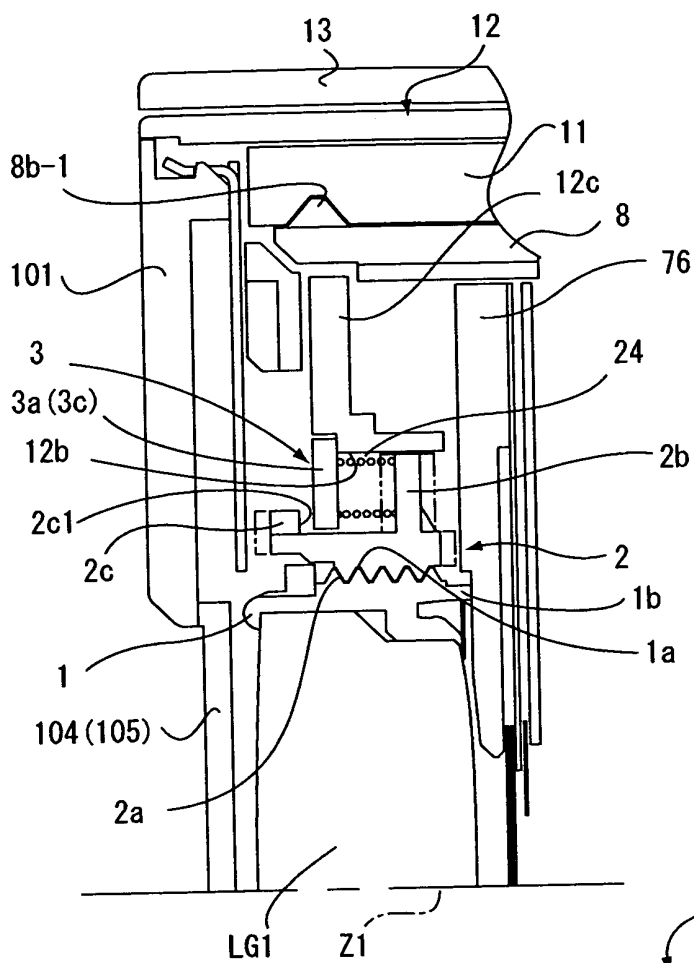


Fig. 141

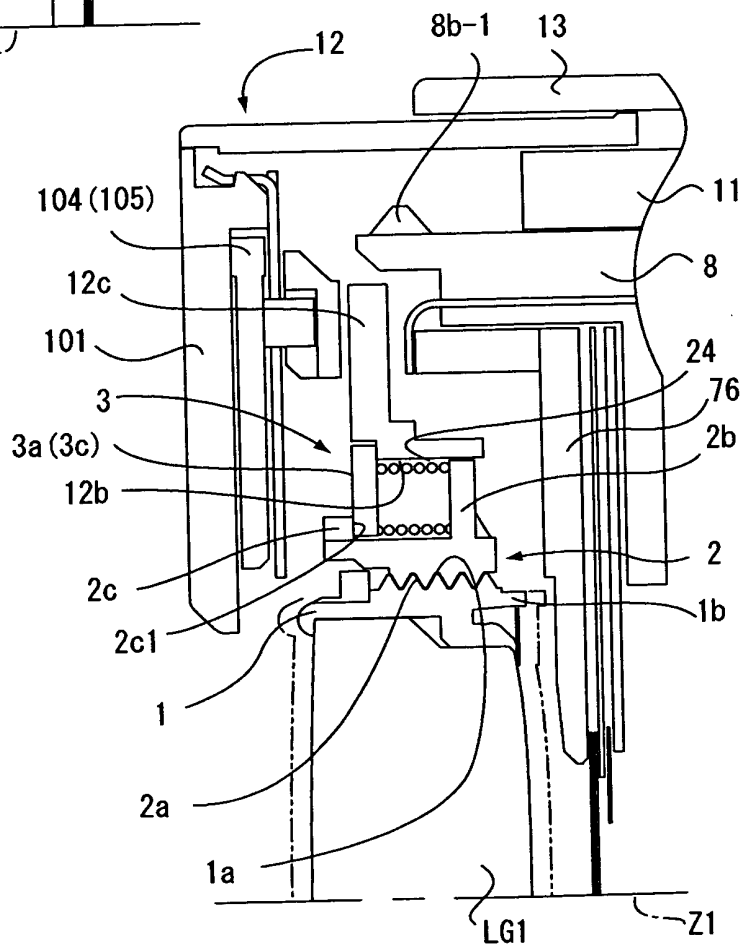


Fig. 142

Fig. 143

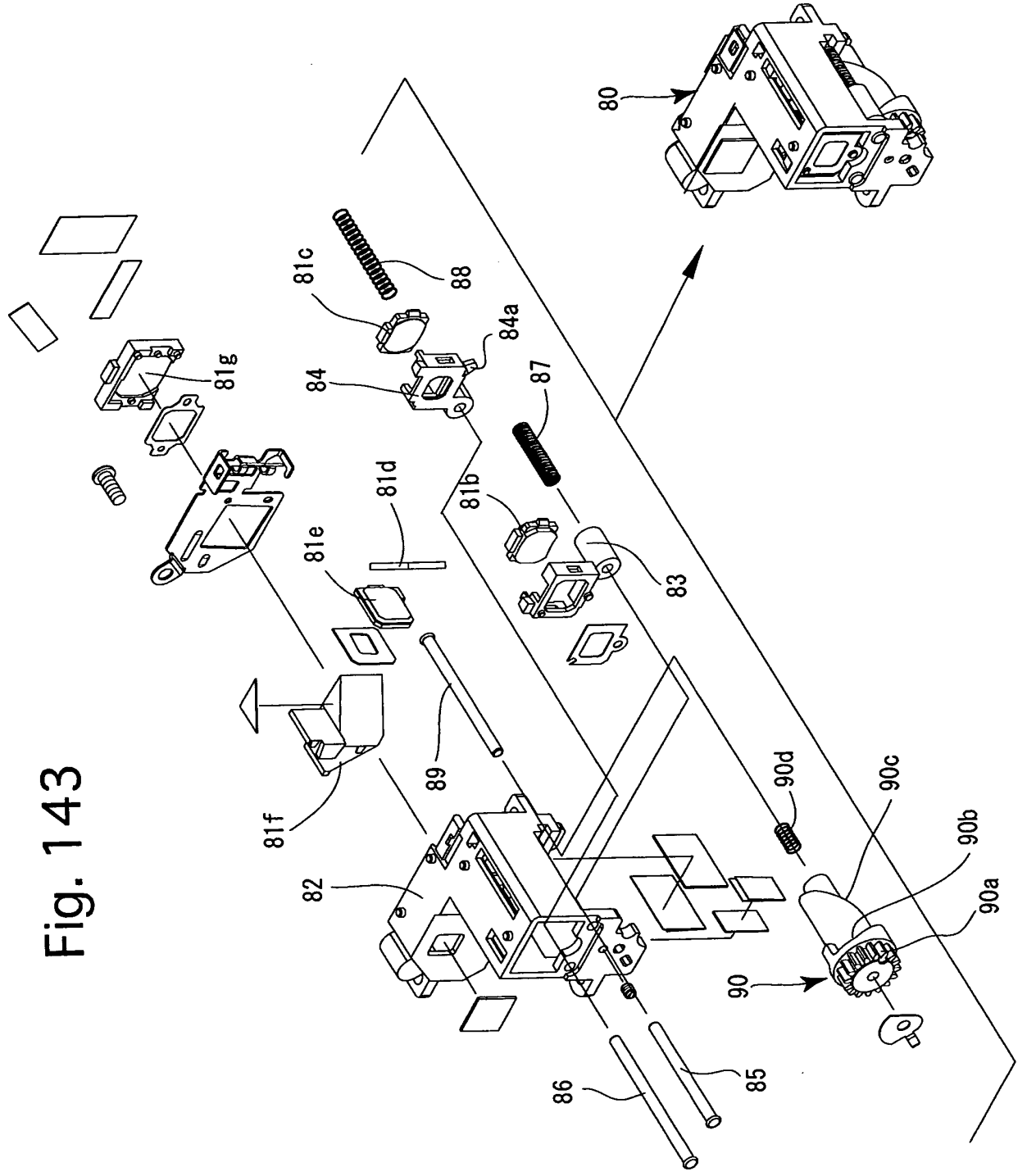


Fig. 144

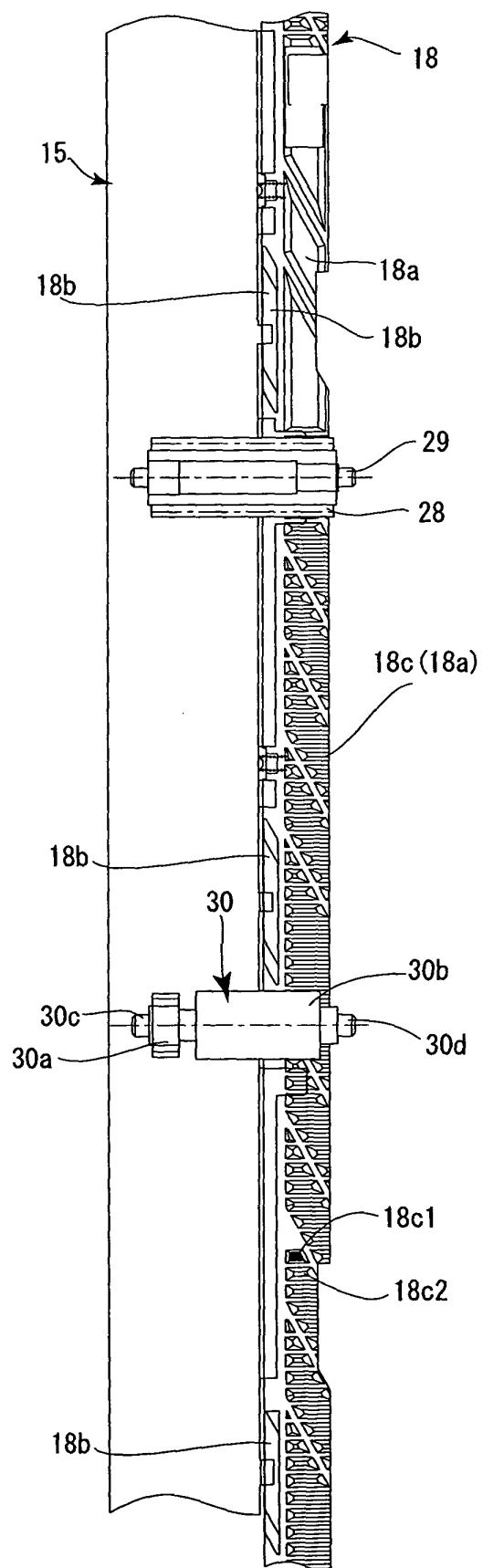


Fig. 145

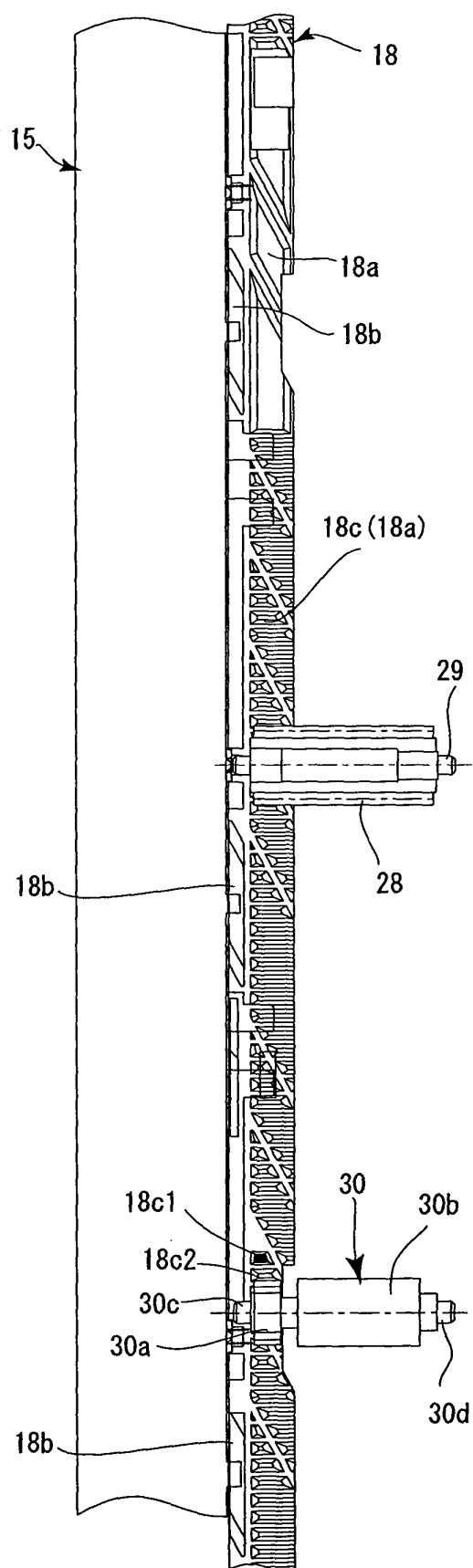
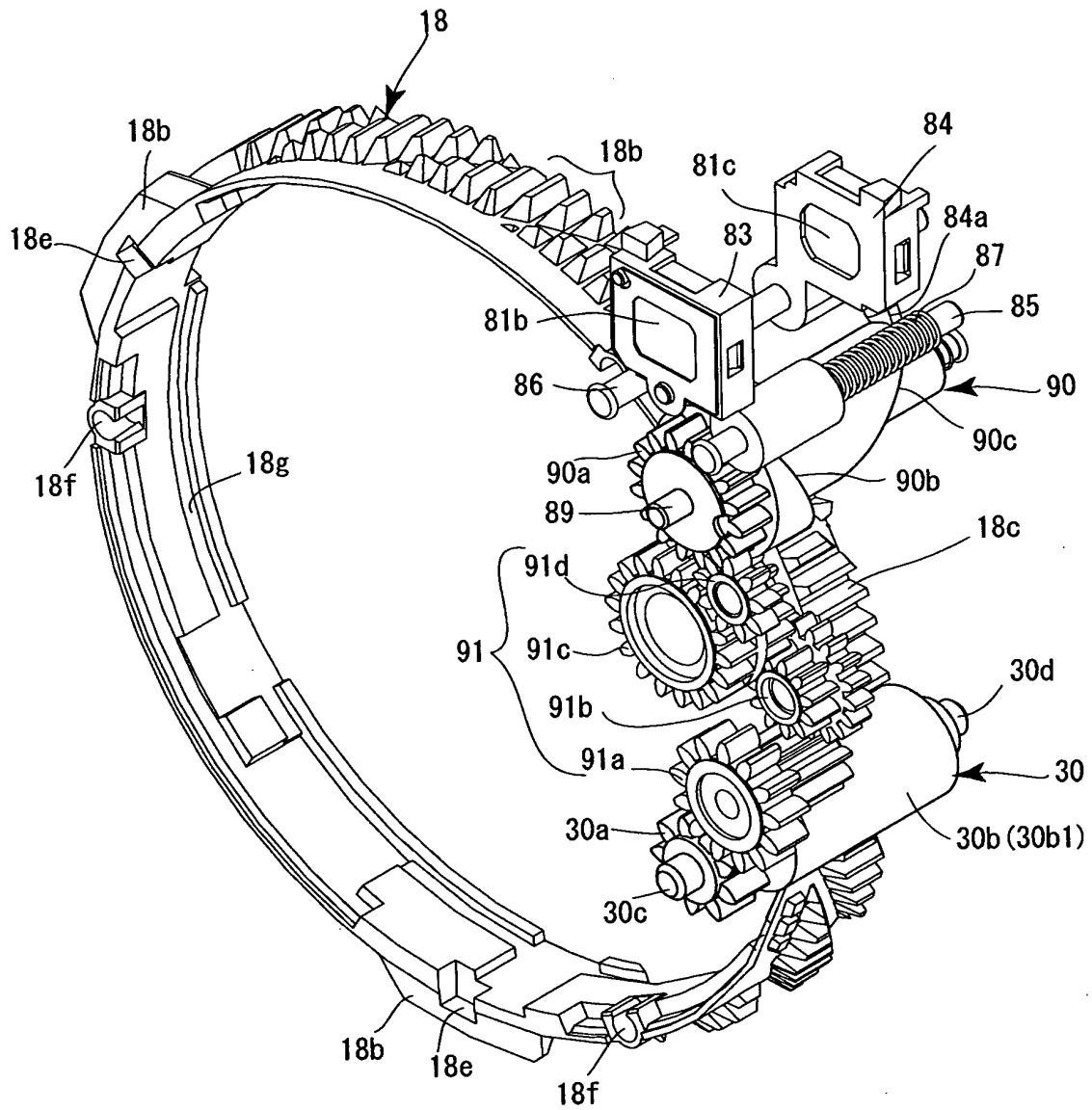


Fig. 146



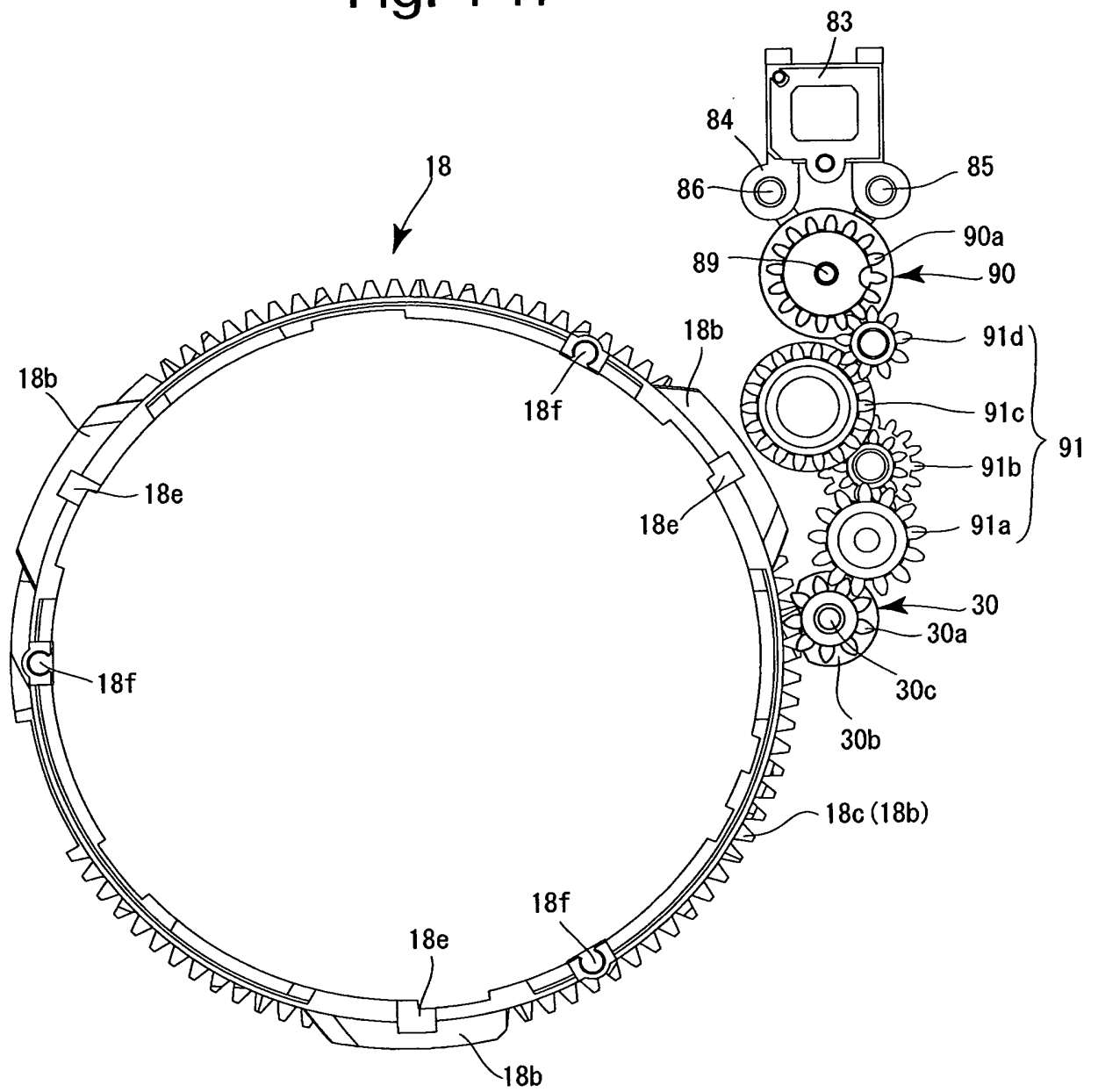


Fig. 148

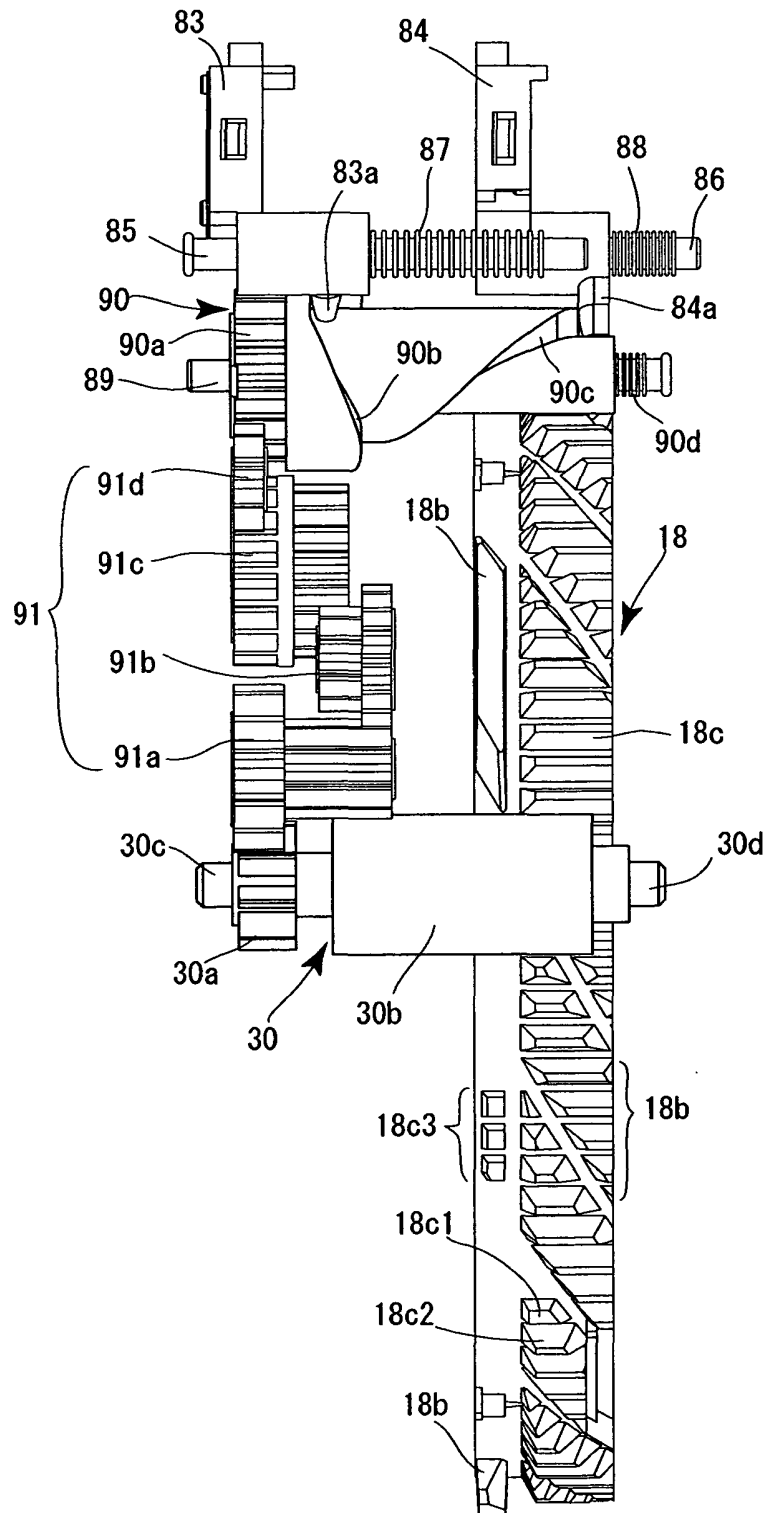


Fig. 149

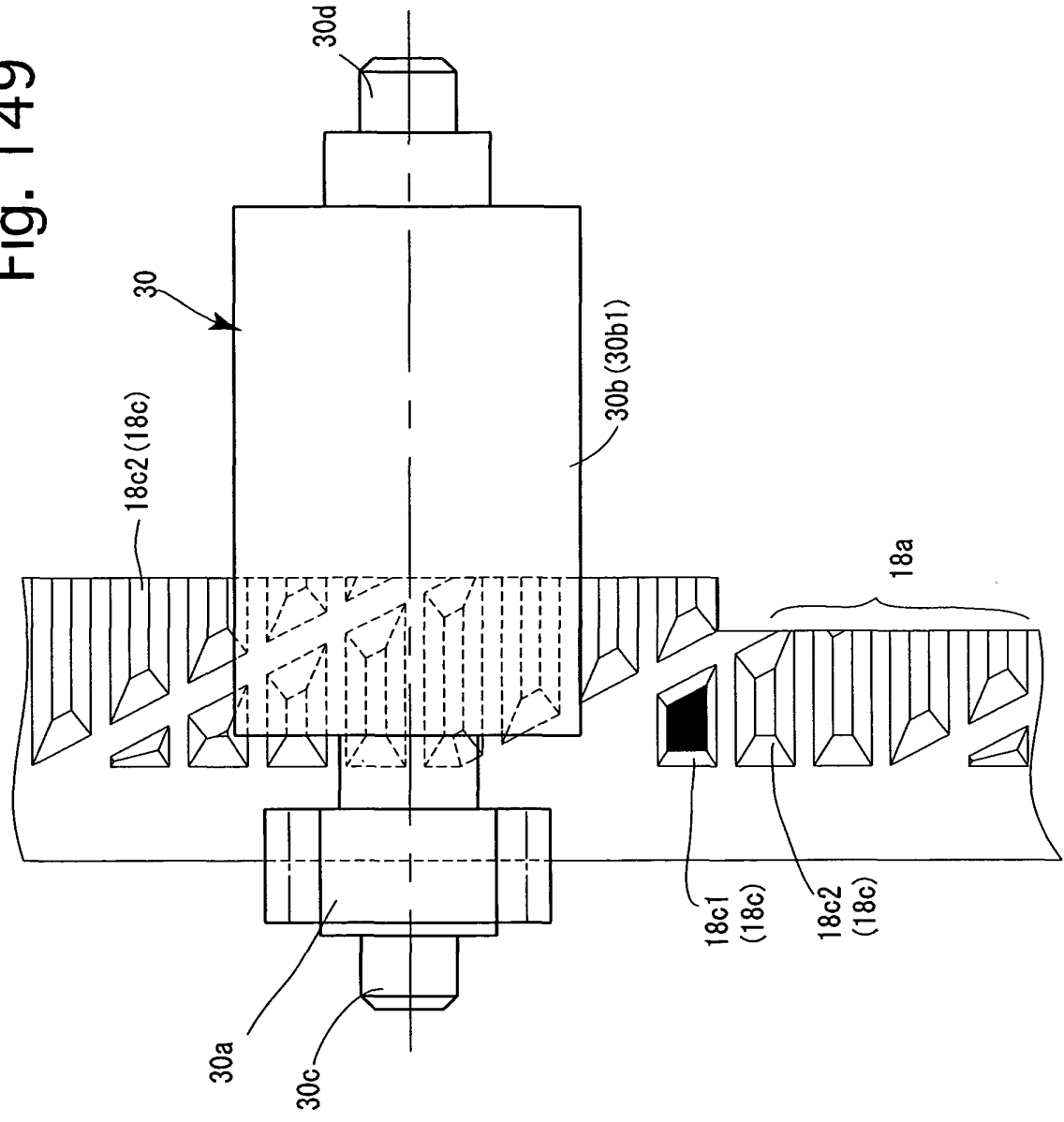


Fig. 150

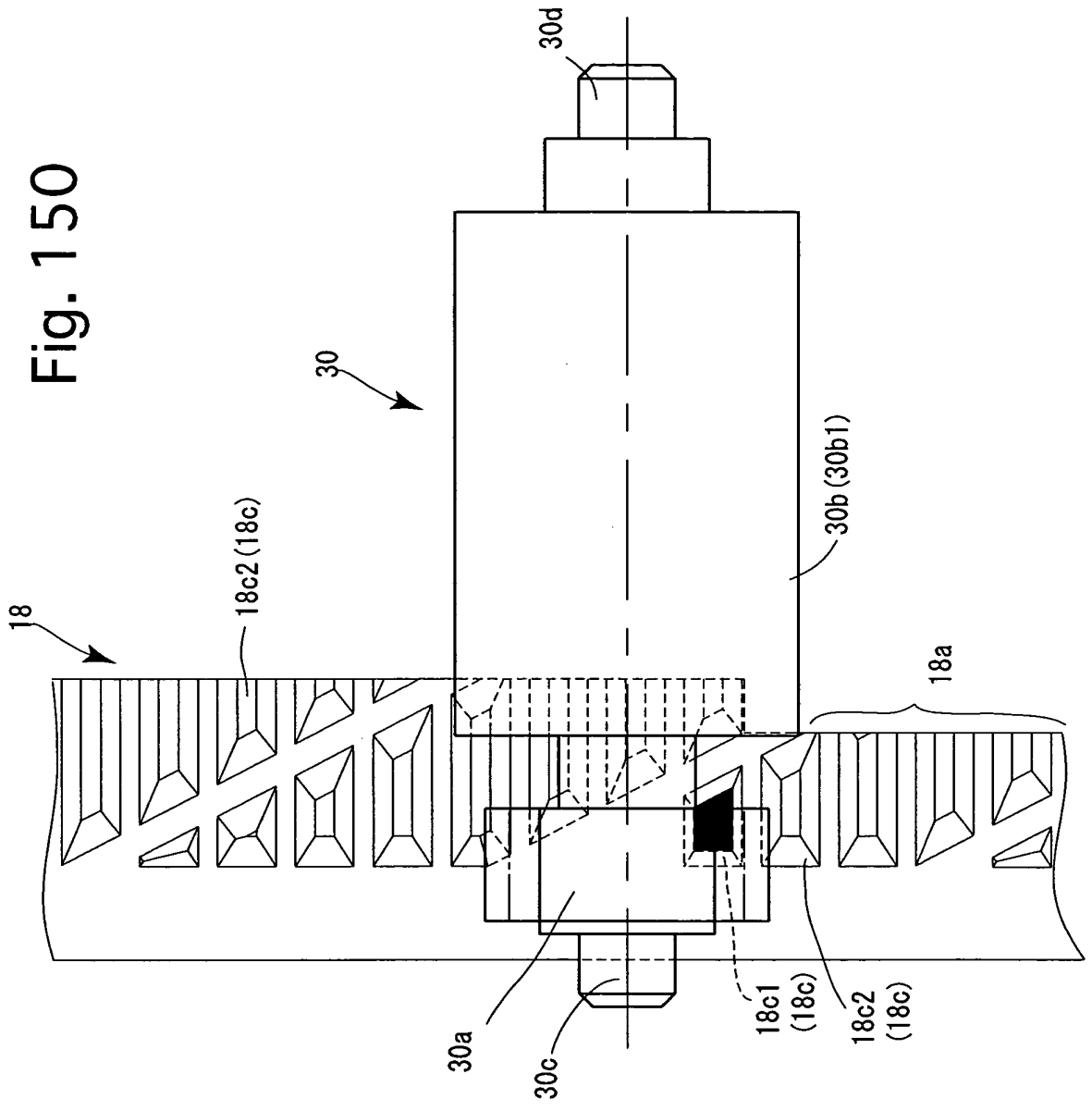
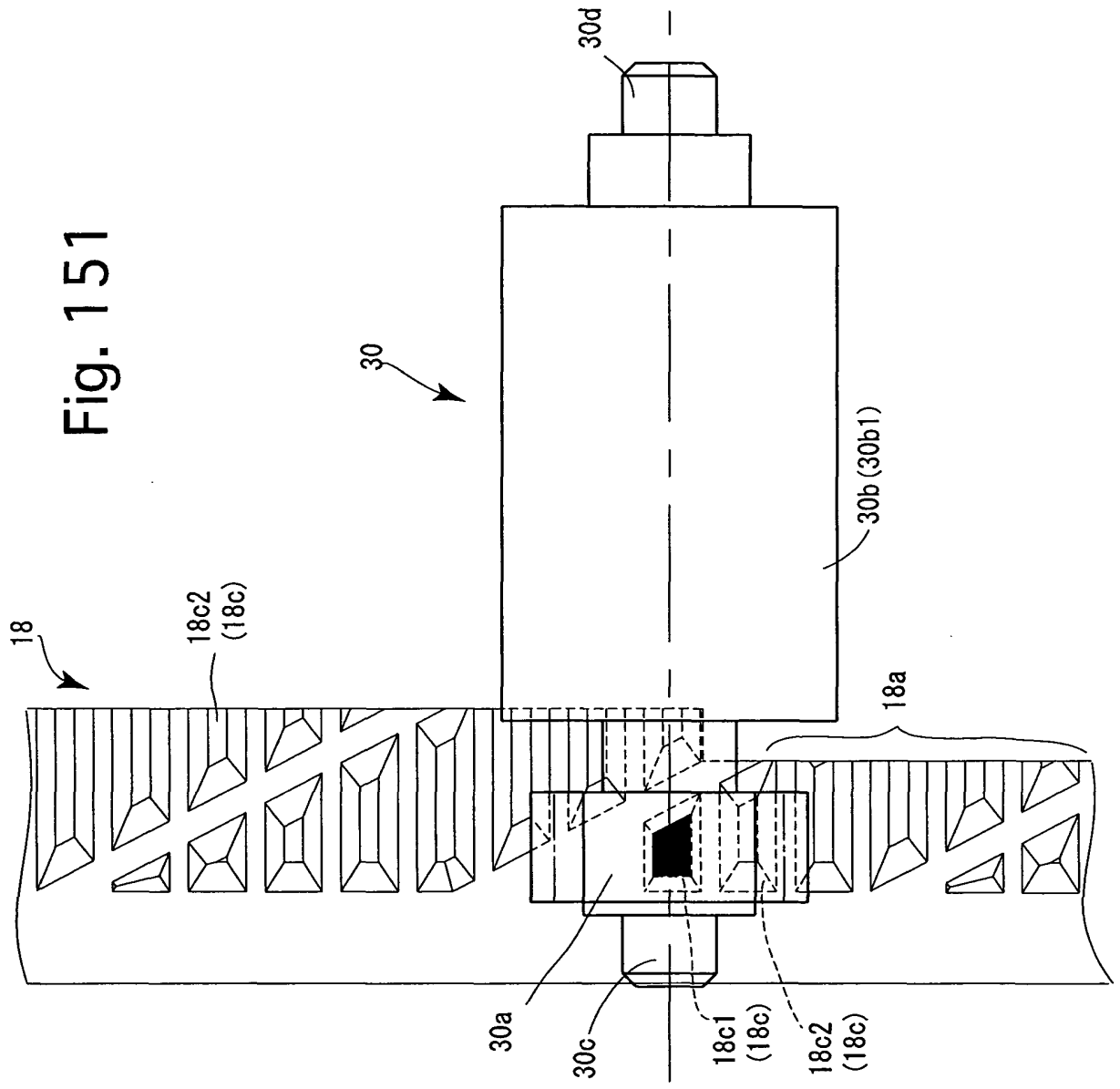


Fig. 151



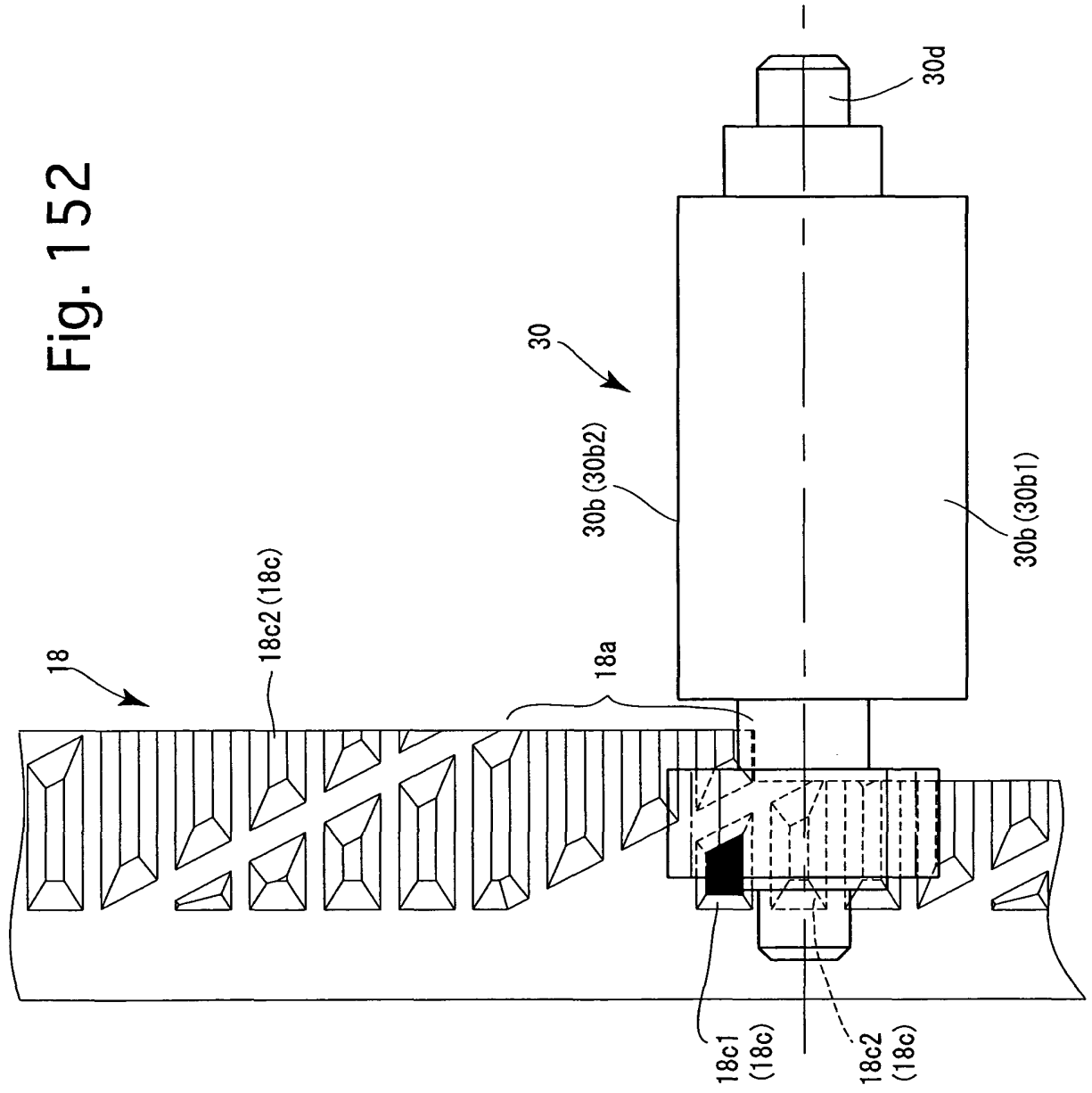
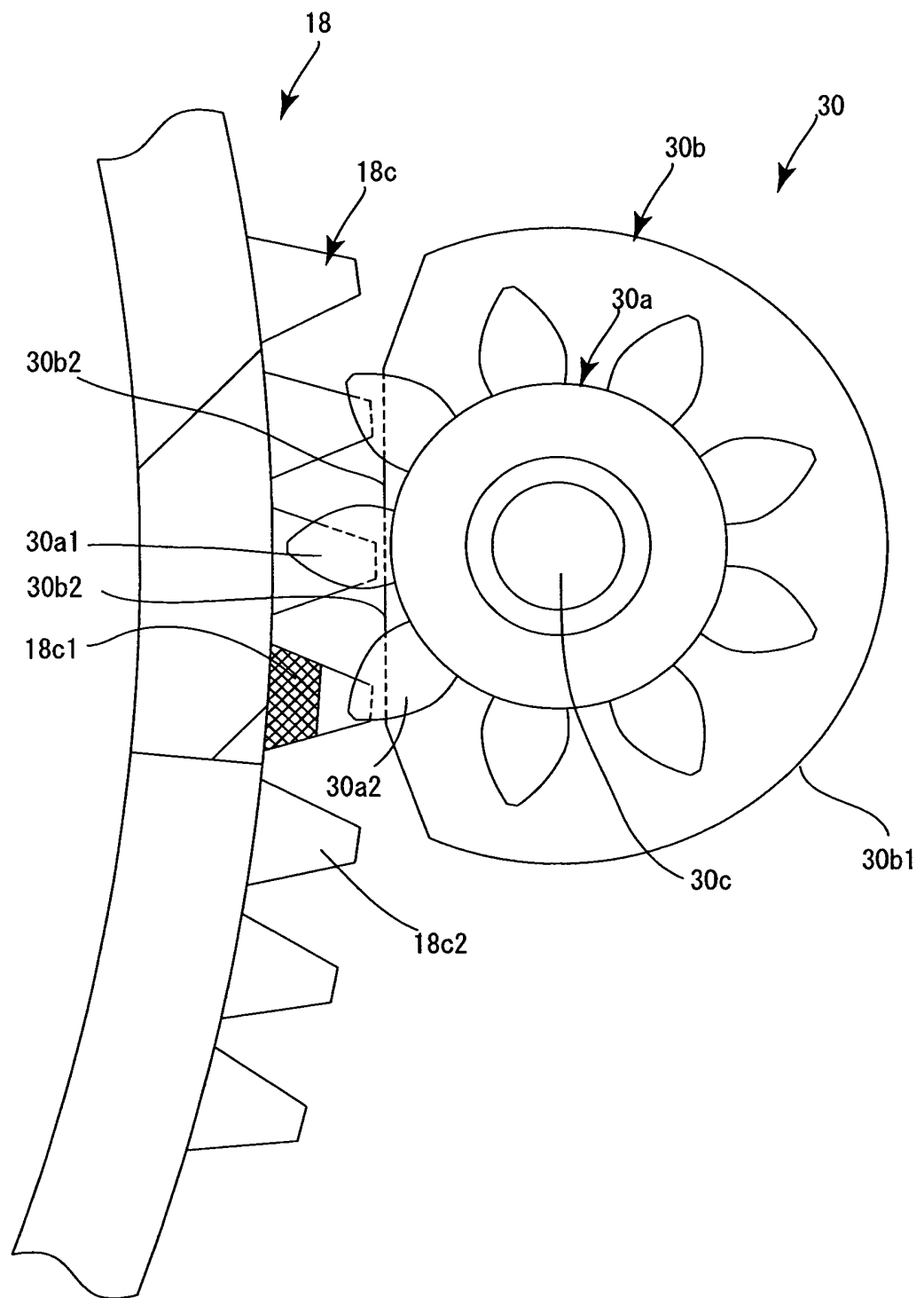


Fig. 152

Fig. 153



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Fig. 155

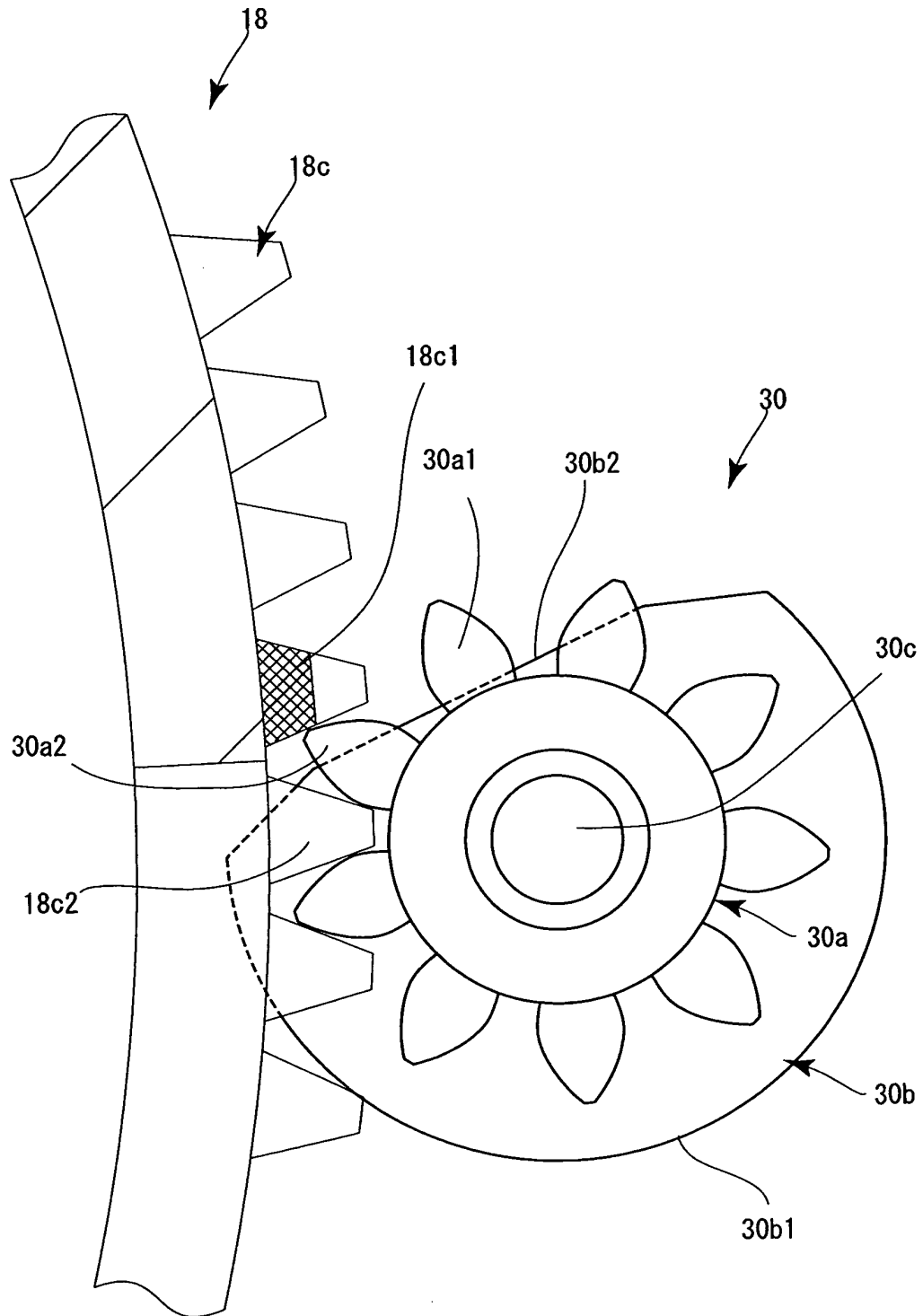


Fig. 156

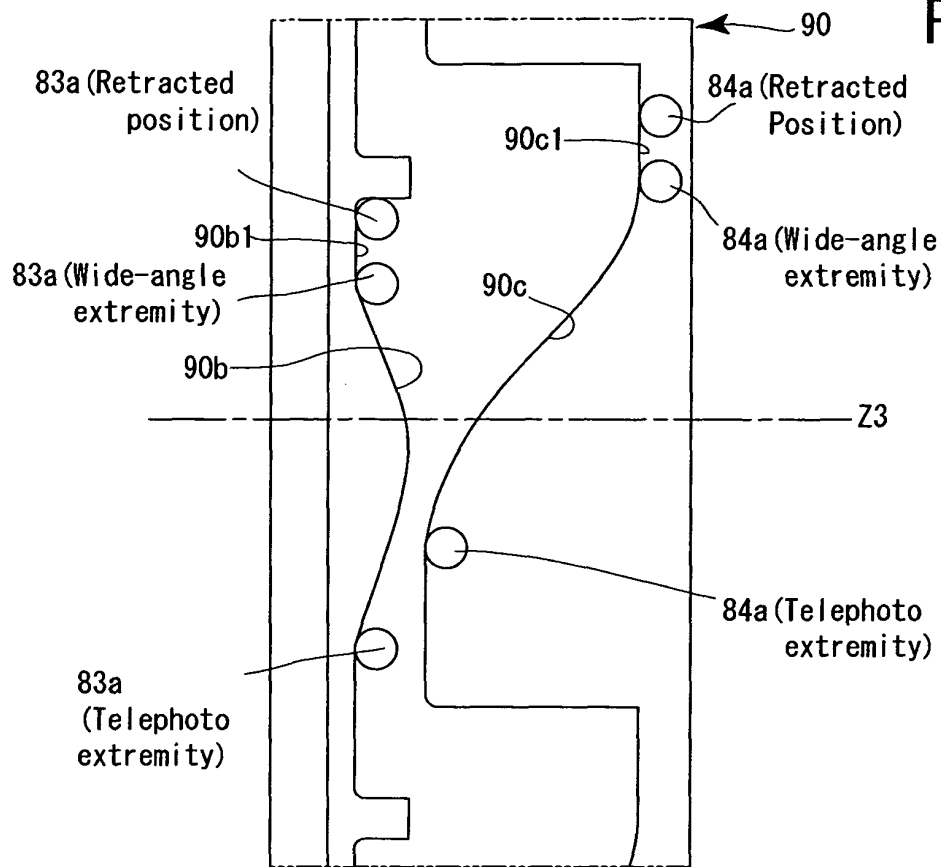


Fig. 157

